

Survey Questions - Post-Focus Group Session Survey

A Federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with an information collection subject to the requirements of the Paperwork Reduction Act of 1995 unless the information collection has a currently valid OMB Control Number. The approved OMB Control Number for this information collection is 0690-0030. Without this approval, we could not conduct this post-focus group survey collection. Public reporting for this information collection is estimated to be approximately 10 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the information collection. All responses to this information collection are voluntary. Send comments regarding this burden estimate or any other aspect of this information collection, including suggestions for reducing this burden to the Nurture Nature Center at: 518 Northampton Street, Easton, PA 18042, Attn: Rachel Hogan Carr, Executive Director, rhogan@nurturenature.org.

1. Please rate your agreement with the following statements about the forum.

Please check ONE box for each statement.

	Strongly Agree	Agree	Neither Agree nor Disagree	Disagree	Strongly Disagree
The information was clearly presented.	✓				
I felt comfortable voicing my opinion.		✓			
I know more about the National Weather Service (NWS) resources.	✓				
I feel I could use NWS resources to judge my risk in an extreme weather event.	✓				

2. What are the biggest barriers you face in using NWS flood forecast and warning products? Some examples to consider are lack of computer or phone, lack of internet access, language barriers, NWS products too difficult to understand, or other factors.

Making machines for phones

3. Our goal today was to gather feedback to improve NWS flood forecast and warning tools. Beyond the questions asked today, what else would be important to know about how you gather/would use NWS information about extreme weather risks and your intended actions?

4. After attending today's session, how likely are you to:

Please check ONE box for each statement.

	Very Likely	Somewhat Likely	Neither likely nor unlikely	Somewhat Unlikely	Unlikely
Create or revise plans to deal with extreme weather events using NWS products.		✓			
Share what I learned about NWS products today with others.		✓			
Seek NWS information about extreme weather risks.		✓			
Use NWS products and information in your decision-making		✓			

5. Do you prefer text-based or graphical/visual NWS products in trying to understand your level of risk from flooding? Circle one.

Text

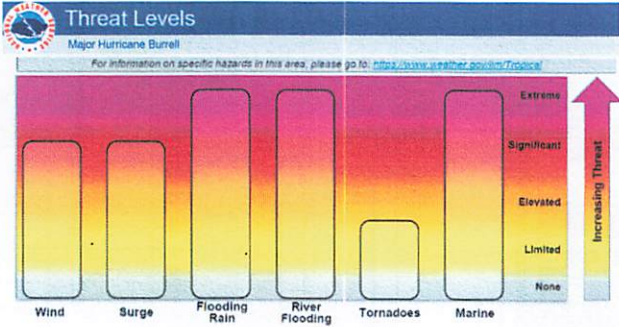
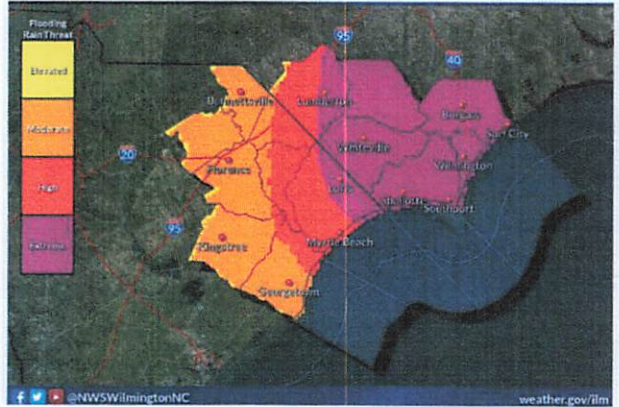
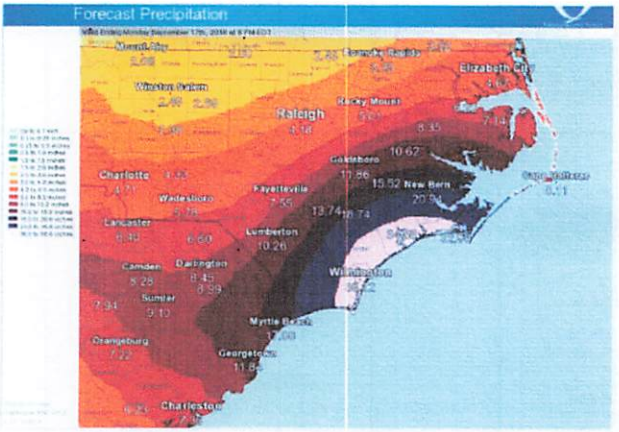
Graphics

Combined text and graphics



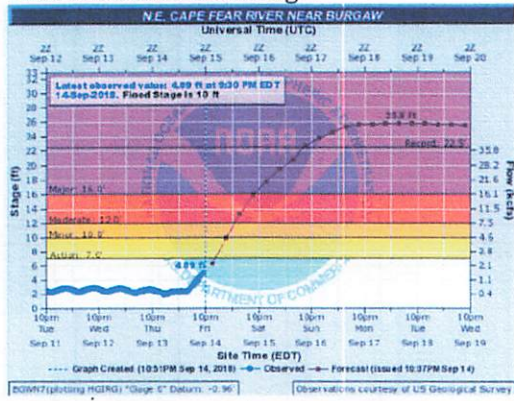

Please explain. _____

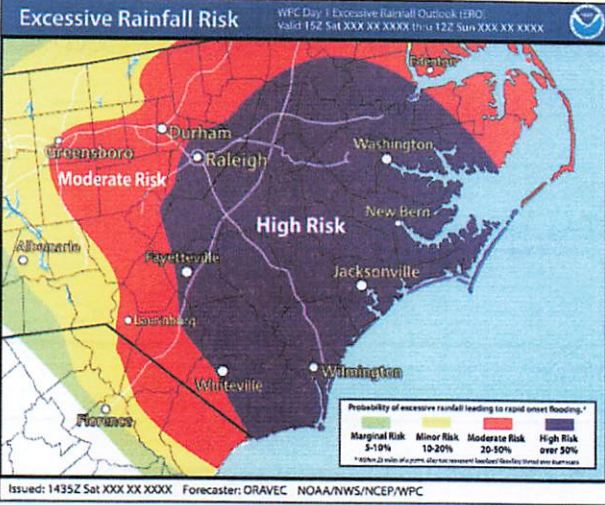
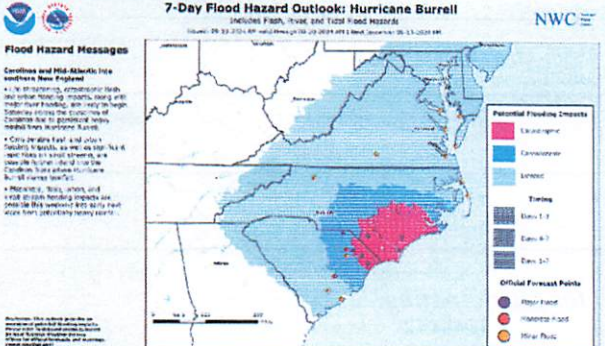
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<p>Situation Overview</p> <p>Situation Overview Major Hurricane Burrell</p> <ul style="list-style-type: none"> Life-threatening flooding is likely given the potential for excessive rainfall. A Flash Flood Watch is now in effect. Catastrophic river flooding will develop and persist long after the storm exits the area. Damaging hurricane force winds are likely, especially along portions of the coast. Strong winds could also spread well inland. A Hurricane Warning remains in effect. The time for preparations is becoming limited. Take what preventative actions you can for impending strong winds, storm surge, and flooding rain. Follow any advice issued by local officials. <p>A blue checkmark is visible in the 'Extremely useful' column.</p>																													

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<p>Threat Levels</p> 		✓			
<p>Inland Flooding</p> 		✓			
<p>Forecast Precipitation</p> 		✓			

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>Expected Storm Total Rainfall</p>					
<p>River Flooding Outlook</p>					
<p>Additional Rainfall</p>					

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<p>Key Take-Aways</p>  <p>Confidence is HIGH that the event will occur Confidence is HIGH regarding impacts</p> <ul style="list-style-type: none"> This is a life-threatening, and multi-hazard situation, ranging from the potential for extremely hazardous maritime conditions, and dangerous storm surge, high winds, and flooding As the storm nears the coast as a major hurricane it will slow in forward speed, creating unique forecast challenges and resulting in a long period of impacts Time is becoming limited for preparations. Take what remaining preventative actions you can. <p>Stay informed and listen for instructions from local officials. Please visit the following websites for information about protective actions.</p> <p>https://www.weather.gov/safety/hurricane-plan or https://www.ready.gov/hurricanes</p>		✓																																							
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<p>Potential River Flooding</p>  <p>N.E. CAPE FEAR RIVER NEAR BURGAW Universal Time (UTC)</p> <p>Latest observed value: 4.89 ft at 9:30 PM EDT 7:43pm 2018. Flood Stage is 10 ft</p> <p>Stage (ft) vs Time (UTC) graph showing observed and forecast water levels.</p>		✓																																							
<p>Social media</p> <p>Dangerous Rip Currents and Rough Surf Expected</p>  <p>Overview: Rip currents will be most hazardous Tuesday through Thursday. Expect the potential for rough surf and life-threatening currents Tuesday through Thursday.</p> <p>Hazards & Impacts: Dangerous swimming conditions as rip currents pose the potential of strong rip currents and large breakers on the surf.</p> <p>Additional Information: If you are someone swimming or sitting on a lifeguard stand, please wear the red and white flag to avoid swimmers.</p> <p>Distant Hurricanes Can Be Deadly</p>		✓																																							

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<p>Excessive Rainfall Risk</p>  <p>WPC Day 1 Excessive Rainfall Outlook (ERO) Valid 15Z Sat XXXX XX XXXX thru 12Z Sun XXX XX XXXX</p> <p>Issued: 1435Z Sat XXX XX XXXX Forecaster: DRAVEC NOAA/NWS/NCEP/WPC</p>		✓			
<p>Flood Hazard Outlook</p>  <p>7-Day Flood Hazard Outlook: Hurricane Burrell</p> <p>Issued: 06 23 2024 07:00 UTC (06 23 07:00 EDT) Forecast: 06 23 07:00 EDT</p> <p>Flood Hazard Messages</p> <p>Conditions and Risk Levels for Southeastern New England</p> <ul style="list-style-type: none"> • In the northern, mountainous high and coastal regions, moderate to heavy rain is likely, with high potential for localized areas of flooding due to potential heavy rainfall. • City streets may flood and some basements may be inundated in some areas, as well as some low-lying areas in the coastal and inland regions. • Moderate to heavy rain and high winds may impact the Southeast US and some areas may have heavy rain. <p>Potential Flooding Depths</p> <ul style="list-style-type: none"> 1-6 feet 3-6 feet 6-12 feet 12-24 feet 24-36 feet 36-48 feet 48-60 feet 60-72 feet 72-84 feet 84-96 feet 96-108 feet 108-120 feet 120-132 feet 132-144 feet 144-156 feet 156-168 feet 168-180 feet 180-192 feet 192-204 feet 204-216 feet 216-228 feet 228-240 feet 240-252 feet 252-264 feet 264-276 feet 276-288 feet 288-300 feet 300-312 feet 312-324 feet 324-336 feet 336-348 feet 348-360 feet 360-372 feet 372-384 feet 384-396 feet 396-408 feet 408-420 feet 420-432 feet 432-444 feet 444-456 feet 456-468 feet 468-480 feet 480-492 feet 492-504 feet 504-516 feet 516-528 feet 528-540 feet 540-552 feet 552-564 feet 564-576 feet 576-588 feet 588-600 feet 600-612 feet 612-624 feet 624-636 feet 636-648 feet 648-660 feet 660-672 feet 672-684 feet 684-696 feet 696-708 feet 708-720 feet 720-732 feet 732-744 feet 744-756 feet 756-768 feet 768-780 feet 780-792 feet 792-804 feet 804-816 feet 816-828 feet 828-840 feet 840-852 feet 852-864 feet 864-876 feet 876-888 feet 888-900 feet 900-912 feet 912-924 feet 924-936 feet 936-948 feet 948-960 feet 960-972 feet 972-984 feet 984-996 feet 996-1008 feet 1008-1020 feet 1020-1032 feet 1032-1044 feet 1044-1056 feet 1056-1068 feet 1068-1080 feet 1080-1092 feet 1092-1104 feet 1104-1116 feet 1116-1128 feet 1128-1140 feet 1140-1152 feet 1152-1164 feet 1164-1176 feet 1176-1188 feet 1188-1200 feet 1200-1212 feet 1212-1224 feet 1224-1236 feet 1236-1248 feet 1248-1260 feet 1260-1272 feet 1272-1284 feet 1284-1296 feet 1296-1308 feet 1308-1320 feet 1320-1332 feet 1332-1344 feet 1344-1356 feet 1356-1368 feet 1368-1380 feet 1380-1392 feet 1392-1404 feet 1404-1416 feet 1416-1428 feet 1428-1440 feet 1440-1452 feet 1452-1464 feet 1464-1476 feet 1476-1488 feet 1488-1500 feet 1500-1512 feet 1512-1524 feet 1524-1536 feet 1536-1548 feet 1548-1560 feet 1560-1572 feet 1572-1584 feet 1584-1596 feet 1596-1608 feet 1608-1620 feet 1620-1632 feet 1632-1644 feet 1644-1656 feet 1656-1668 feet 1668-1680 feet 1680-1692 feet 1692-1704 feet 1704-1716 feet 1716-1728 feet 1728-1740 feet 1740-1752 feet 1752-1764 feet 1764-1776 feet 1776-1788 feet 1788-1800 feet 1800-1812 feet 1812-1824 feet 1824-1836 feet 1836-1848 feet 1848-1860 feet 1860-1872 feet 1872-1884 feet 1884-1896 feet 1896-1908 feet 1908-1920 feet 1920-1932 feet 1932-1944 feet 1944-1956 feet 1956-1968 feet 1968-1980 feet 1980-1992 feet 1992-2004 feet 2004-2016 feet 2016-2028 feet 2028-2040 feet 2040-2052 feet 2052-2064 feet 2064-2076 feet 2076-2088 feet 2088-2100 feet 2100-2112 feet 2112-2124 feet 2124-2136 feet 2136-2148 feet 2148-2160 feet 2160-2172 feet 2172-2184 feet 2184-2196 feet 2196-2208 feet 2208-2220 feet 2220-2232 feet 2232-2244 feet 2244-2256 feet 2256-2268 feet 2268-2280 feet 2280-2292 feet 2292-2304 feet 2304-2316 feet 2316-2328 feet 2328-2340 feet 2340-2352 feet 2352-2364 feet 2364-2376 feet 2376-2388 feet 2388-2400 feet 2400-2412 feet 2412-2424 feet 2424-2436 feet 2436-2448 feet 2448-2460 feet 2460-2472 feet 2472-2484 feet 2484-2496 feet 2496-2508 feet 2508-2520 feet 2520-2532 feet 2532-2544 feet 2544-2556 feet 2556-2568 feet 2568-2580 feet 2580-2592 feet 2592-2604 feet 2604-2616 feet 2616-2628 feet 2628-2640 feet 2640-2652 feet 2652-2664 feet 2664-2676 feet 2676-2688 feet 2688-2700 feet 2700-2712 feet 2712-2724 feet 2724-2736 feet 2736-2748 feet 2748-2760 feet 2760-2772 feet 2772-2784 feet 2784-2796 feet 2796-2808 feet 2808-2820 feet 2820-2832 feet 2832-2844 feet 2844-2856 feet 2856-2868 feet 2868-2880 feet 2880-2892 feet 2892-2904 feet 2904-2916 feet 2916-2928 feet 2928-2940 feet 2940-2952 feet 2952-2964 feet 2964-2976 feet 2976-2988 feet 2988-3000 feet <p>Timing</p> <ul style="list-style-type: none"> Days 1-7 Days 4-7 Days 5-7 Days 6-7 <p>Official Forecast Points</p> <ul style="list-style-type: none"> Major Road Major Airport Major Port 		✓			

7. What changes might you recommend for any of the products shown?

None

8. Which media would you use to find NWS information about the risk of flooding near you? Please circle all that apply:

Facebook Twitter Internet Other: _____

9. Which digital platform are you most likely to use to access NWS resources? Circle one.

Smartphone Tablet Laptop Desktop Other: _____

10. Was anything in the session confusing? Yes No

If Yes, please explain:

11. What improvements could be made in the format or content of this session?

12. Additional comments:

Thank you for participating!

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As it stands, it's informative to those you can understand graphs and maps

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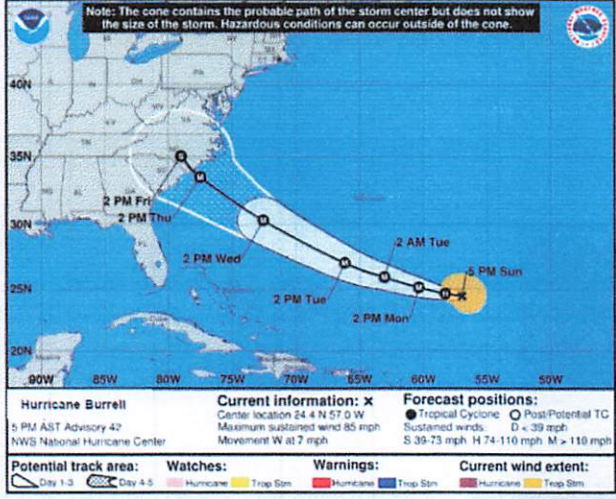
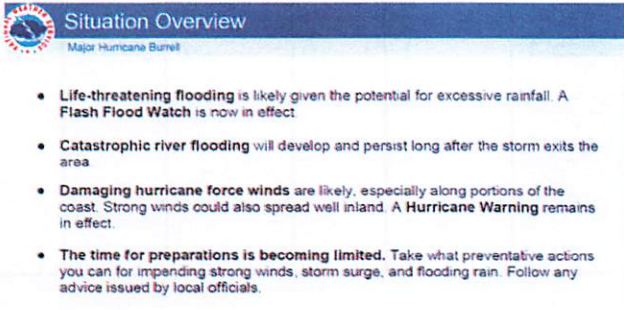
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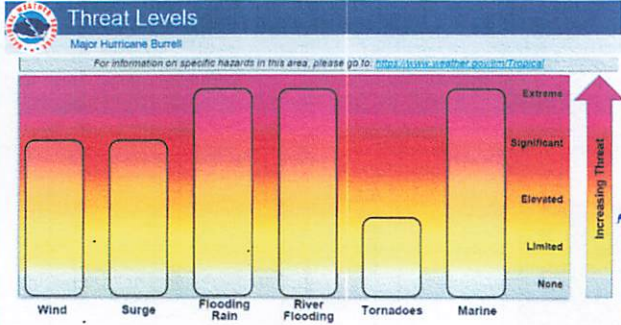
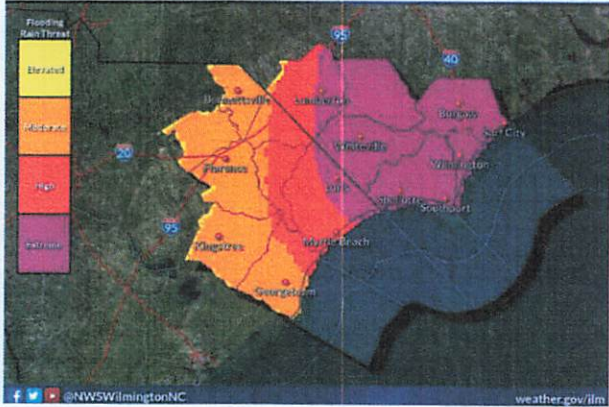
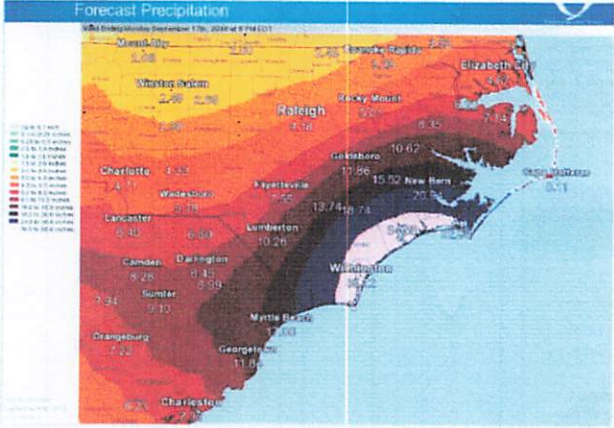
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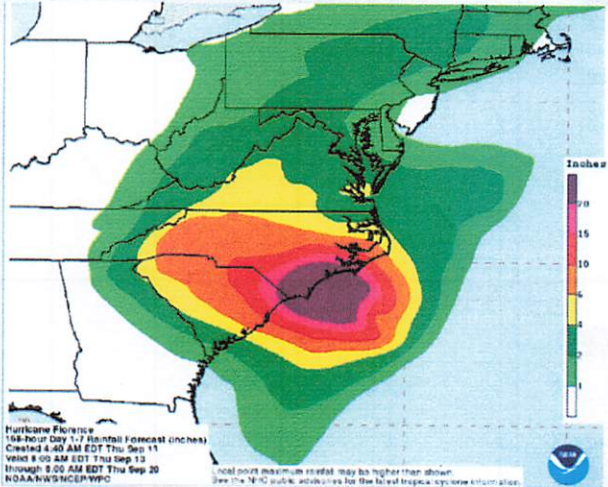


Text Graphics Combined text and graphics

Please explain. Graphics can become confusing



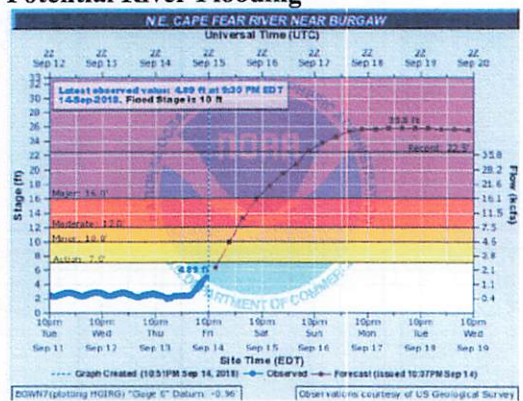
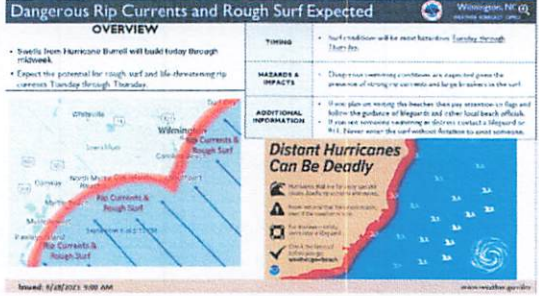
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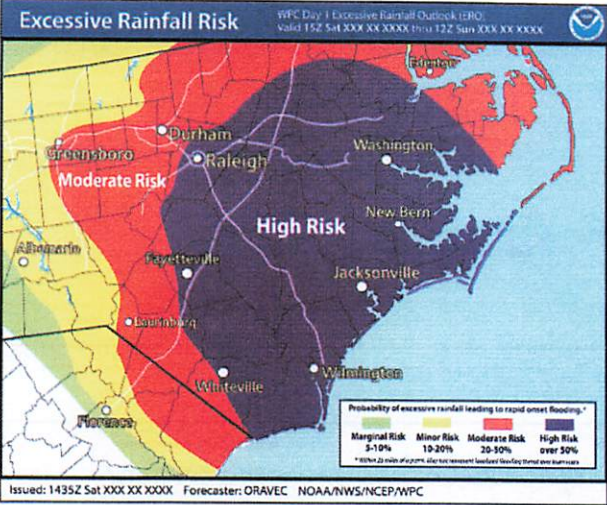
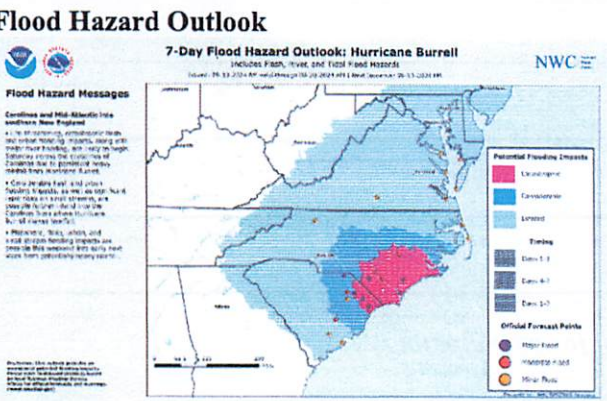
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	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
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<p>Forecast Precipitation</p> 					

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<p>Expected Storm Total Rainfall</p>  <p>Hurricane Florence 168-hour Day 17 Rainfall Forecast (inches) Created 4:40 AM EDT Thu Sep 11 Valid 8:00 AM EDT Thu Sep 13 through 8:00 AM EDT Thu Sep 20 NOAA/NWS/NCEP/WWP</p>			✓		
<p>River Flooding Outlook</p> 					✓
<p>Additional Rainfall</p> 					✓

can't see.

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<p>Excessive Rainfall Risk</p> 		✓			
<p>Flood Hazard Outlook</p> 		✓			

7. What changes might you recommend for any of the products shown?

None,

8. Which media would you use to find NWS information about the risk of flooding near you? Please circle all that apply:

Facebook

Twitter

Internet

Other: _____

9. Which digital platform are you most likely to use to access NWS resources? Circle one.

Smartphone

Tablet

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Desktop

Other: _____

10. Was anything in the session confusing? Yes No

If Yes, please explain:

One of the graphics

11. What improvements could be made in the format or content of this session?

Visual to be larger

12. Additional comments:

None

Thank you for participating!

Survey Questions - Post-Focus Group Session Survey

A Federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with an information collection subject to the requirements of the Paperwork Reduction Act of 1995 unless the information collection has a currently valid OMB Control Number. The approved OMB Control Number for this information collection is 0690-0030. Without this approval, we could not conduct this post-focus group survey collection. Public reporting for this information collection is estimated to be approximately 10 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the information collection. All responses to this information collection are voluntary. Send comments regarding this burden estimate or any other aspect of this information collection, including suggestions for reducing this burden to the Nurture Nature Center at: 518 Northampton Street, Easton, PA 18042, Attn: Rachel Hogan Carr, Executive Director, rhogan@nurturenature.org.

1. Please rate your agreement with the following statements about the forum.

Please check ONE box for each statement.

	Strongly Agree	Agree	Neither Agree nor Disagree	Disagree	Strongly Disagree
The information was clearly presented.	✓				
I felt comfortable voicing my opinion.	✓				
I know more about the National Weather Service (NWS) resources.			✓		
I feel I could use NWS resources to judge my risk in an extreme weather event.			✓		

2. What are the biggest barriers you face in using NWS flood forecast and warning products? Some examples to consider are lack of computer or phone, lack of internet access, language barriers, NWS products too difficult to understand, or other factors.

Computer

3. Our goal today was to gather feedback to improve NWS flood forecast and warning tools. Beyond the questions asked today, what else would be important to know about how you gather/would use NWS information about extreme weather risks and your intended actions?

4. After attending today's session, how likely are you to:

Please check ONE box for each statement.

	Very Likely	Somewhat Likely	Neither likely nor unlikely	Somewhat Unlikely	Unlikely
Create or revise plans to deal with extreme weather events using NWS products.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Share what I learned about NWS products today with others.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Seek NWS information about extreme weather risks.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Use NWS products and information in your decision-making	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

5. Do you prefer text-based or graphical/visual NWS products in trying to understand your level of risk from flooding? Circle one.

Text

Graphics

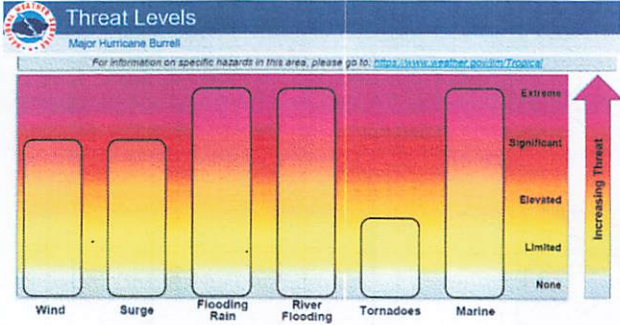
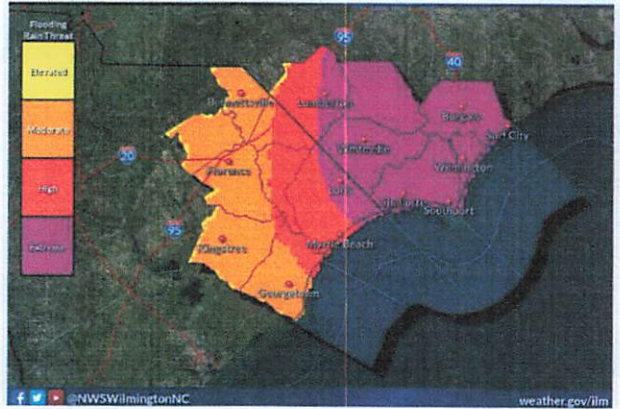
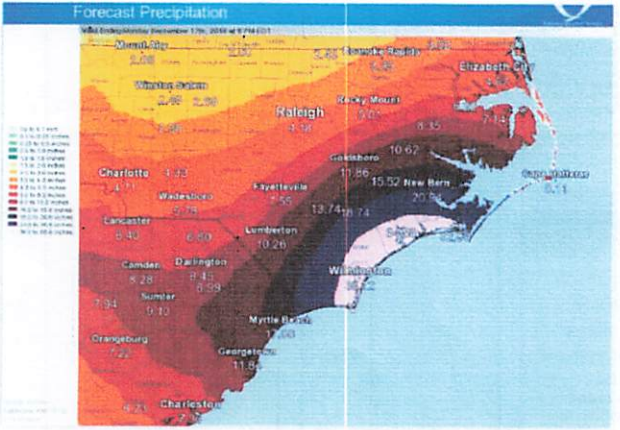
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Please explain.



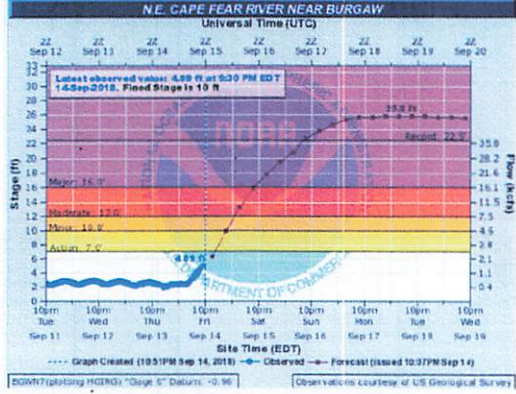

Text understood better

6. Please rate the weather products discussed today based on their usefulness to you in assessing your flood situation.

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful																								
<p>Hurricane Cone</p> <p>Hurricane Burrell 5 PM AST Advisory 42 NWS National Hurricane Center</p> <p>Current information: x Center location 24.4 N 57.0 W Maximum sustained wind 85 mph Movement W at 7 mph</p> <p>Forecast positions: Tropical Cyclone: ● Post/Potential TC: ○ Sustained winds: D < 39 mph S 39-73 mph H 74-110 mph M > 110 mph</p> <p>Potential track area: Day 1-3, Day 4-5 Watches: Hurricane, Trop. Strm. Warnings: Hurricane, Trop. Strm. Current wind extent: Hurricane, Trop. Strm.</p>																													
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<p>Excessive Rainfall Risk</p> <p>WPC Day 1 Excessive Rainfall Outlook (EBO) Valid 15Z Sat XXX XX XXXX thru 12Z Sun XXX XX XXXX</p> <p>Issued: 1435Z Sat XXX XX XXXX Forecaster: DRAVEC NOAA/NWS/NCEP/WPC</p>	✓				
<p>Flood Hazard Outlook</p> <p>7-Day Flood Hazard Outlook: Hurricane Burrell</p> <p>Issued: 20 11 2024 08:00 UTC (08:00 AM EDT) Forecast: 20 11 2024 08:00 UTC</p> <p>Flood Hazard Messages</p> <p>Conditions and WPC Alerts for the Southeastern Region</p> <ul style="list-style-type: none"> • In the northern, extratropical track, the model shows up to 10-15 inches of rain over the next 7 days, with a high probability of heavy rain (more than 0.5 inches per hour) over the next 2-3 days. • The model shows a 4-6 inch rain total over the next 7 days, with a high probability of heavy rain (more than 0.5 inches per hour) over the next 2-3 days. • Potential 1-3 inch rain, and a high probability of heavy rain (more than 0.5 inches per hour) over the next 2-3 days. <p>Potential Flooding Depths</p> <ul style="list-style-type: none"> 1.0-1.9 2.0-2.9 3.0-3.9 4.0-4.9 5.0+ <p>Official Forecast Points</p> <ul style="list-style-type: none"> Major Point Minor Point Other Point 	✓				

7. What changes might you recommend for any of the products shown?

8. Which media would you use to find NWS information about the risk of flooding near you? Please circle all that apply:

Facebook

Twitter

Internet

Other: /

9. Which digital platform are you most likely to use to access NWS resources? Circle one.

Smartphone

Tablet

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Other:

10. Was anything in the session confusing? Yes No

If Yes, please explain:

_____ *nothing* _____

11. What improvements could be made in the format or content of this session?

_____ *None* _____

12. Additional comments:

Thank you for participating!

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	Strongly Agree	Agree	Neither Agree nor Disagree	Disagree	Strongly Disagree
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I felt comfortable voicing my opinion.	✓				
I know more about the National Weather Service (NWS) resources.	✓				
I feel I could use NWS resources to judge my risk in an extreme weather event.	✓				

2. What are the biggest barriers you face in using NWS flood forecast and warning products? Some examples to consider are lack of computer or phone, lack of internet access, language barriers, NWS products too difficult to understand, or other factors.

No Internet, Not Understanding the location of the storm

3. Our goal today was to gather feedback to improve NWS flood forecast and warning tools. Beyond the questions asked today, what else would be important to know about how you gather/would use NWS information about extreme weather risks and your intended actions?

4. After attending today's session, how likely are you to:

Please check ONE box for each statement.

	Very Likely	Somewhat Likely	Neither likely nor unlikely	Somewhat Unlikely	Unlikely
Create or revise plans to deal with extreme weather events using NWS products.	✓				
Share what I learned about NWS products today with others.	✓				
Seek NWS information about extreme weather risks.	✓				
Use NWS products and information in your decision-making	✓				

5. Do you prefer text-based or graphical/visual NWS products in trying to understand your level of risk from flooding? Circle one.

Text

Graphics

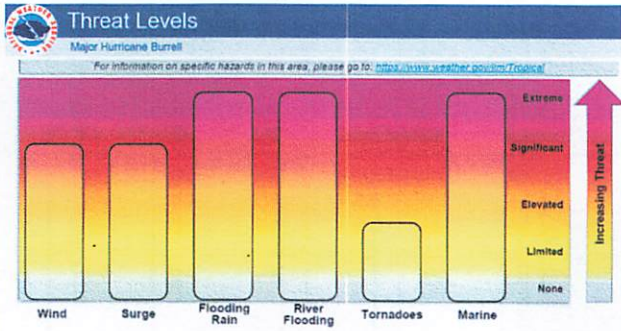
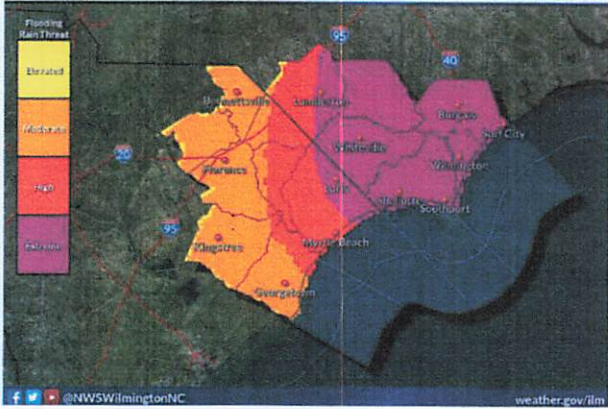
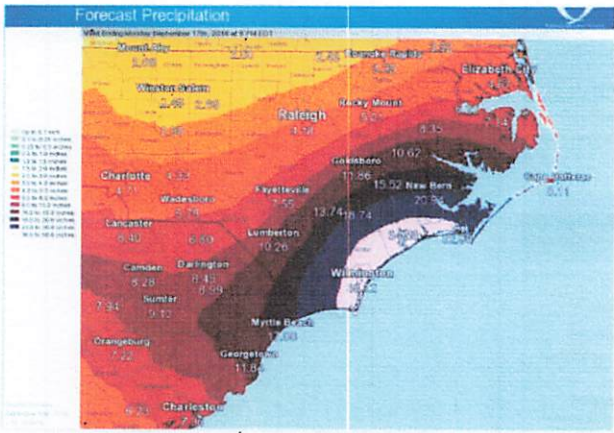
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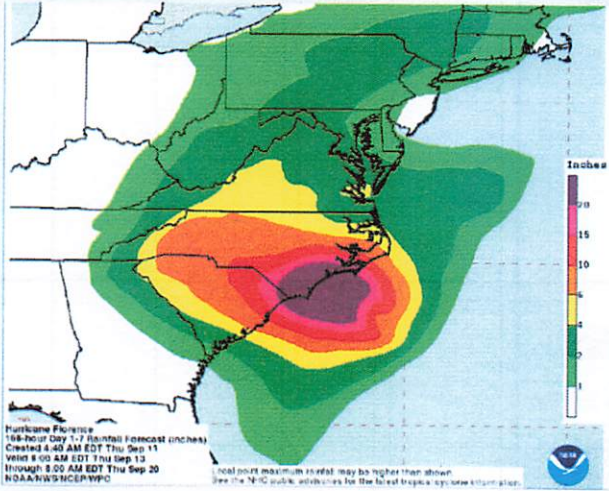


Please explain.

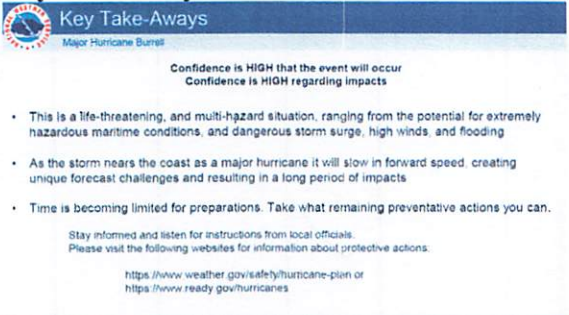
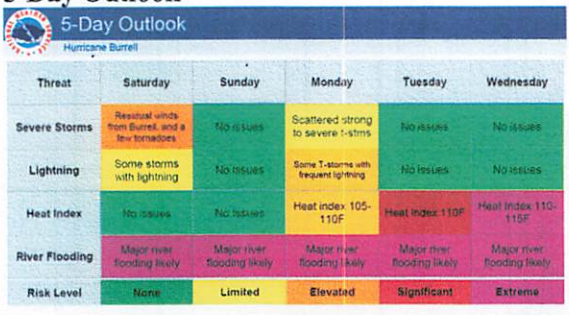
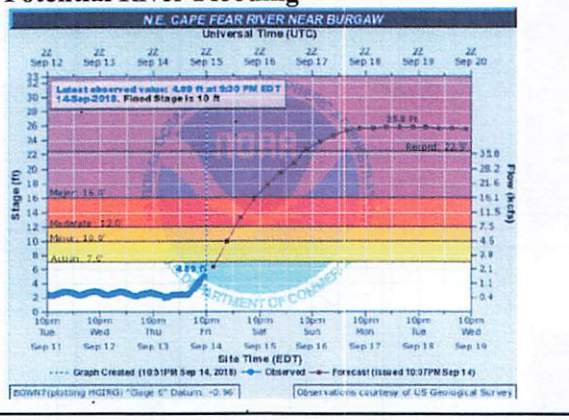
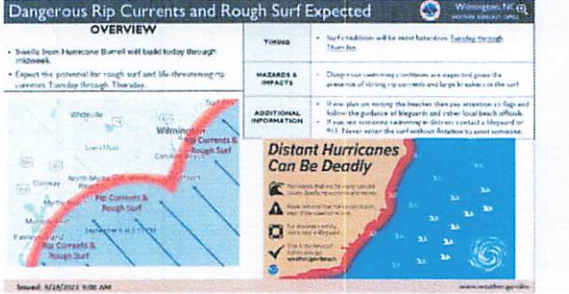
Both will make me understand better

6. Please rate the weather products discussed today based on their usefulness to you in assessing your flood situation.

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<p>Inland Flooding</p> 		✓			
<p>Forecast Precipitation</p> 		✓			

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>Expected Storm Total Rainfall</p>  <p>Hurricane Florence 168-hour Day 1-7 Rainfall Forecast (inches) Created 4:48 AM EDT Thu Sep 11 Valid 8:00 AM EDT Thu Sep 13 Through 8:00 AM EDT Thu Sep 20 NOAA/NWS/NCEP/WWP</p> <p>Local peak maximum rainfall may be higher than shown. See the NCEP public advisories for the latest tropical system information.</p>		✓			
<p>River Flooding Outlook</p>  <p>Legend: <input type="checkbox"/> Forecast available <input type="checkbox"/> Probability and forecasts available <input type="checkbox"/> Observations only available Major Flooding Moderate Flooding Minor Flooding Near Flood Stage Observations Are Not Current Out of Service Flood Category Not Defined At or Below Low Water Threshold</p>		✓			
<p>Additional Rainfall</p>  <p>Storm Total Precipitation (in)</p> <p>© NWS Wilmington NC weather.gov/tm</p>		✓			

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<p>Key Take-Aways</p>  <p>Confidence is HIGH that the event will occur Confidence is HIGH regarding impacts</p> <ul style="list-style-type: none"> This is a life-threatening, and multi-hazard situation, ranging from the potential for extremely hazardous maritime conditions, and dangerous storm surge, high winds, and flooding As the storm nears the coast as a major hurricane it will slow in forward speed, creating unique forecast challenges and resulting in a long period of impacts Time is becoming limited for preparations. Take what remaining preventative actions you can. <p>Stay informed and listen for instructions from local officials. Please visit the following websites for information about protective actions:</p> <p>https://www.weather.gov/safety/hurricane-plan https://www.ready.gov/hurricanes</p>		✓																																							
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<p>Social media</p> <p>Dangerous Rip Currents and Rough Surf Expected</p>  <p>Wilmington, NC @wilmingtonnc.com</p> <p>OVERVIEW</p> <ul style="list-style-type: none"> Waves from Hurricane Burell will back today through tomorrow. Expect the potential for rough surf and life-threatening rip currents Tuesday through Thursday. <p>HAZARDS & IMPACTS</p> <ul style="list-style-type: none"> Disruptive waterway conditions are expected given the presence of strong rip currents and large waves in the surf. <p>ADDITIONAL INFORMATION</p> <ul style="list-style-type: none"> Be sure plan on using the beach (if you experience a flag and follow the guidance of lifeguards and other local beach officials). If you are not sure, assuming a lifeguard contact is required or if it forces you to surf without lifeguards to assist someone. <p>Distant Hurricanes Can Be Deadly</p> <p>Issued: 9/24/2024 9:08 AM</p>		✓																																							

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>Excessive Rainfall Risk</p> <p>WFC Day 1 Excessive Rainfall Outlook (ERO) Valid 15Z Sat XXX XX XXXX thru 12Z Sun XXX XX XXXX</p> <p>Issued: 1435Z Sat XXX XX XXXX Forecaster: DRAVEC NOAA/NWS/NCEP/WPC</p>		✓			
<p>Flood Hazard Outlook</p> <p>7-Day Flood Hazard Outlook: Hurricane Burrell</p> <p>Includes Flood, River, and Flood Hazard</p> <p>Issued: 06 13 2024 09:00Z (Thu) 06 13 2024 09:00Z (Thu) 06 13 2024 09:00Z (Thu)</p> <p>NWS</p> <p>Flood Hazard Messages</p> <p>Conditions and Risk Alerts for the Southeastern US Region</p> <ul style="list-style-type: none"> • In the southeast, atmospheric conditions are favorable for heavy rain and moderate to heavy flooding, with heavy to high potential across the Carolinas and Virginia due to potential heavy rainfall. • Consistent heavy rain and moderate to heavy flooding are likely in the Carolinas and Virginia, with heavy to high potential across the Carolinas and Virginia. • Moderate to heavy rain and moderate to heavy flooding are likely in the Carolinas and Virginia, with heavy to high potential across the Carolinas and Virginia. <p>Potential Flooding Depths</p> <ul style="list-style-type: none"> 0-1 ft 1-2 ft 2-3 ft 3-4 ft <p>Timing</p> <ul style="list-style-type: none"> Days 1-2 Days 3-4 Days 5-7 <p>Official Forecast Points</p> <ul style="list-style-type: none"> Major Flood Moderate Flood Minor Flood 		✓			

7. What changes might you recommend for any of the products shown?

None

8. Which media would you use to find NWS information about the risk of flooding near you? Please circle all that apply:

Facebook Twitter Internet Other: News/TV

9. Which digital platform are you most likely to use to access NWS resources? Circle one.

Smartphone Tablet Laptop Desktop Other: _____

10. Was anything in the session confusing? Yes No

If Yes, please explain:

11. What improvements could be made in the format or content of this session?

I think the session was explain clearly, Now we
understand a whole lot more

12. Additional comments:

Thank you for participating!

Survey Questions - Post-Focus Group Session Survey

A Federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with an information collection subject to the requirements of the Paperwork Reduction Act of 1995 unless the information collection has a currently valid OMB Control Number. The approved OMB Control Number for this information collection is 0690-0030. Without this approval, we could not conduct this post-focus group survey collection. Public reporting for this information collection is estimated to be approximately 10 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the information collection. All responses to this information collection are voluntary. Send comments regarding this burden estimate or any other aspect of this information collection, including suggestions for reducing this burden to the Nurture Nature Center at: 518 Northampton Street, Easton, PA 18042, Attn: Rachel Hogan Carr, Executive Director, rhogan@nurturenature.org.

1. Please rate your agreement with the following statements about the forum.

Please check ONE box for each statement.

	Strongly Agree	Agree	Neither Agree nor Disagree	Disagree	Strongly Disagree
The information was clearly presented.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I felt comfortable voicing my opinion.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I know more about the National Weather Service (NWS) resources.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I feel I could use NWS resources to judge my risk in an extreme weather event.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2. What are the biggest barriers you face in using NWS flood forecast and warning products? Some examples to consider are lack of computer or phone, lack of internet access, language barriers, NWS products too difficult to understand, or other factors.

None

3. Our goal today was to gather feedback to improve NWS flood forecast and warning tools. Beyond the questions asked today, what else would be important to know about how you gather/would use NWS information about extreme weather risks and your intended actions?

None

4. After attending today's session, how likely are you to:

Please check ONE box for each statement.

	Very Likely	Somewhat Likely	Neither likely nor unlikely	Somewhat Unlikely	Unlikely
Create or revise plans to deal with extreme weather events using NWS products.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Share what I learned about NWS products today with others.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Seek NWS information about extreme weather risks.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Use NWS products and information in your decision-making	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

5. Do you prefer text-based or graphical/visual NWS products in trying to understand your level of risk from flooding? Circle one.

Text

Graphics

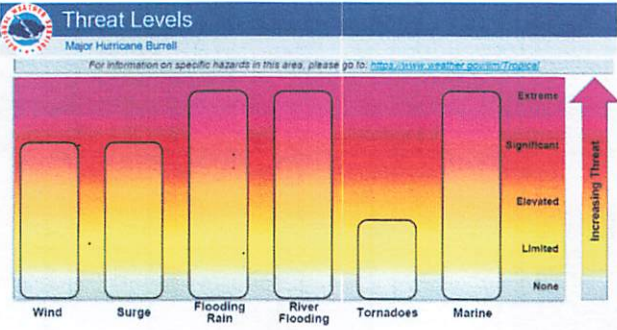
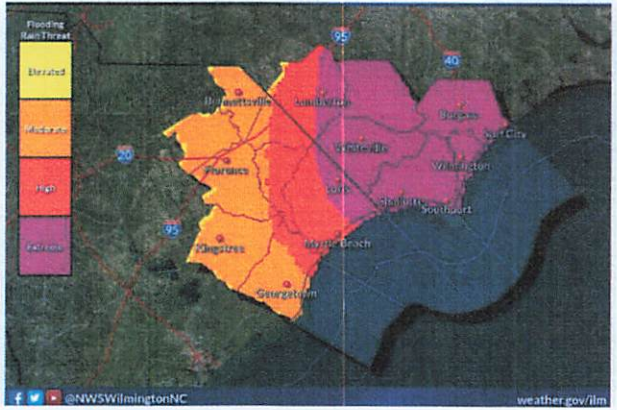
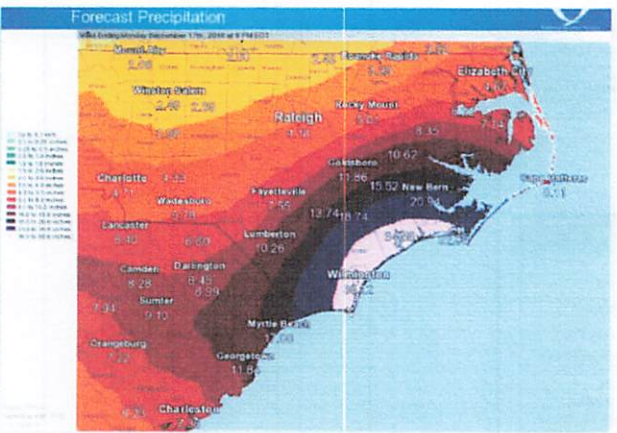
Combined text and graphics

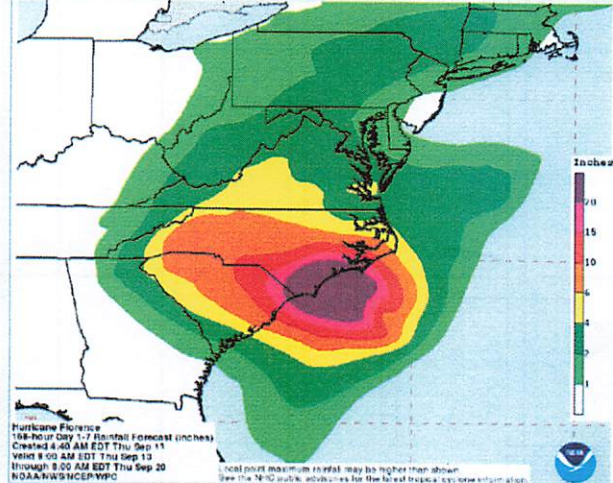


Please explain.

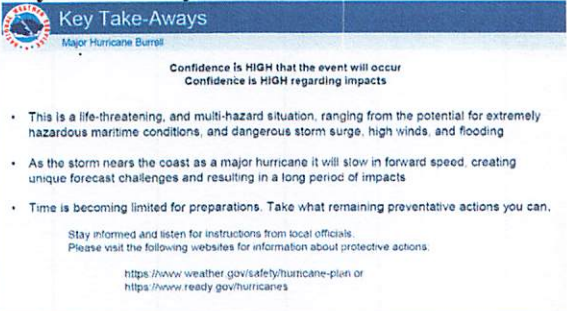
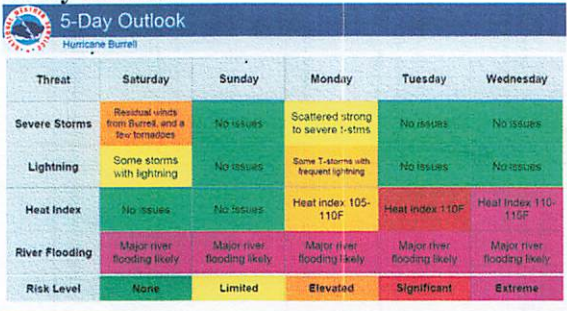
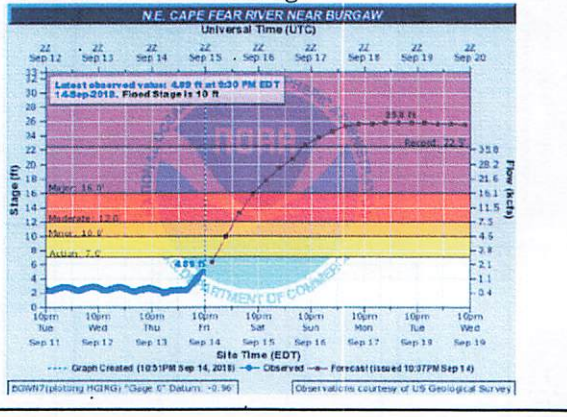
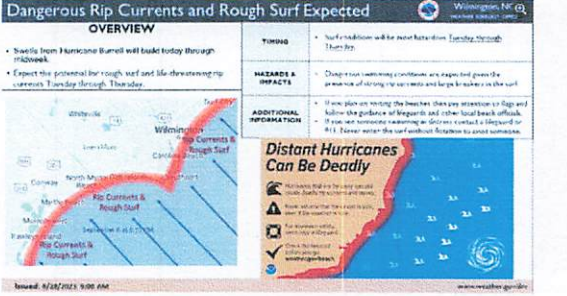
Better understanding

6. Please rate the weather products discussed today based on their usefulness to you in assessing your flood situation.

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful																								
<p>Hurricane Cone</p> <p>Hurricane Burrell 5 PM AST Advisory 42 NWS National Hurricane Center</p> <p>Current information: x Center location 24.4 N 57.0 W Maximum sustained wind 85 mph Movement W at 7 mph</p> <p>Forecast positions: Tropical Cyclone: ● Sustained winds: D < 39 mph, S 39-73 mph, H 74-110 mph, M > 110 mph Post-Potential TC: ○</p> <p>Potential track area: Day 1-3, Day 4-5 Watches: Hurricane, Trop. Stm. Warnings: Hurricane, Trop. Stm. Current wind extent: Hurricane, Trop. Stm.</p>																													
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<p>Situation Overview</p> <p>Situation Overview Major Hurricane Burrell</p> <ul style="list-style-type: none"> Life-threatening flooding is likely given the potential for excessive rainfall. A Flash Flood Watch is now in effect. Catastrophic river flooding will develop and persist long after the storm exits the area. Damaging hurricane force winds are likely, especially along portions of the coast. Strong winds could also spread well inland. A Hurricane Warning remains in effect. The time for preparations is becoming limited. Take what preventative actions you can for impending strong winds, storm surge, and flooding rain. Follow any advice issued by local officials. 																													

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<p>Social media</p> <p>Dangerous Rip Currents and Rough Surf Expected</p>  <p>Wilmington, NC</p> <p>OVERVIEW</p> <ul style="list-style-type: none"> Swells from Hurricane Burrell will build today through midweek. Expect the potential for rough surf and life-threatening currents Tuesday through Thursday. <p>HAZARDS & IMPACTS</p> <ul style="list-style-type: none"> Dangerous swimming conditions are expected periods of an increase of strong rip currents and large breakers in the surf. <p>ADDITIONAL INFORMATION</p> <ul style="list-style-type: none"> If you plan on visiting the beaches, please monitor the rip and follow the guidance of lifeguards and other local beach officials. If you are someone swimming at dawn, contact a lifeguard or 911. Never enter the surf without lifeguards to assist someone. <p>Distant Hurricanes Can Be Deadly</p> <p>Issued: 9/14/2018 9:00 AM</p>																																									

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<p>Excessive Rainfall Risk</p> <p>WPC Day 1 Excessive Rainfall Outlook (ERO) valid 15Z Sat XXX XX XXXX thru 12Z Sun XXX XX XXXX</p> <p>Issued: 1435Z Sat XXX XX XXXX Forecaster: DRAVEC NOAA/NWS/NCEP/WPC</p>					
<p>Flood Hazard Outlook</p> <p>7-Day Flood Hazard Outlook: Hurricane Burrell</p> <p>Includes: FPM, FV, and TDFD Flood Hazards</p> <p>Issued: 05:33:2024 BY: nws-ncep@noaa.gov (2024-05-10) (Forecast: 05-13-2024 00:00)</p> <p>Flood Hazard Messages</p> <p>Coastline and Mid-Alberic to the southeast New England</p> <ul style="list-style-type: none"> • The storm's outer rain bands are extending inland, increasing the risk of heavy rain and flooding. High winds are also being felt across the region and could lead to structural damage to buildings and trees. • Coastal winds are also being felt inland, and there is a risk of power outages and damage to trees and power lines. • Heavy rain, high winds, and a risk of flooding are expected over the next 7 days, with the highest risk over the next 3 days. <p>Potential Flooding Impacts</p> <ul style="list-style-type: none"> Levee Failure Erosion Levee Turbine Disturbance Disturbance Disturbance <p>Official Forecast Points</p> <ul style="list-style-type: none"> Major Point Minor Point Minor Point 					

7. What changes might you recommend for any of the products shown?

None

8. Which media would you use to find NWS information about the risk of flooding near you? Please circle all that apply:

Facebook

Twitter

Internet

Other: _____

9. Which digital platform are you most likely to use to access NWS resources? Circle one.

Smartphone

Tablet

Laptop

Desktop

Other: _____

10. Was anything in the session confusing? Yes

No

If Yes, please explain:

11. What improvements could be made in the format or content of this session?

None

12. Additional comments:

Thank you for participating!

Survey Questions - Post-Focus Group Session Survey

A Federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with an information collection subject to the requirements of the Paperwork Reduction Act of 1995 unless the information collection has a currently valid OMB Control Number. The approved OMB Control Number for this information collection is 0690-0030. Without this approval, we could not conduct this post-focus group survey collection. Public reporting for this information collection is estimated to be approximately 10 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the information collection. All responses to this information collection are voluntary. Send comments regarding this burden estimate or any other aspect of this information collection, including suggestions for reducing this burden to the Nurture Nature Center at: 518 Northampton Street, Easton, PA 18042, Attn: Rachel Hogan Carr, Executive Director, rhogan@nurturenature.org.

1. Please rate your agreement with the following statements about the forum.

Please check ONE box for each statement.

	Strongly Agree	Agree	Neither Agree nor Disagree	Disagree	Strongly Disagree
The information was clearly presented.	✓				
I felt comfortable voicing my opinion.	✓	✓			
I know more about the National Weather Service (NWS) resources.	✓				
I feel I could use NWS resources to judge my risk in an extreme weather event.	✓				

2. What are the biggest barriers you face in using NWS flood forecast and warning products? Some examples to consider are lack of computer or phone, lack of internet access, language barriers, NWS products too difficult to understand, or other factors.

None

3. Our goal today was to gather feedback to improve NWS flood forecast and warning tools. Beyond the questions asked today, what else would be important to know about how you gather/would use NWS information about extreme weather risks and your intended actions?

None

4. After attending today's session, how likely are you to:

Please check ONE box for each statement.

	Very Likely	Somewhat Likely	Neither likely nor unlikely	Somewhat Unlikely	Unlikely
Create or revise plans to deal with extreme weather events using NWS products.	✓				
Share what I learned about NWS products today with others.	✓				
Seek NWS information about extreme weather risks.	✓				
Use NWS products and information in your decision-making	✓				

5. Do you prefer text-based or graphical/visual NWS products in trying to understand your level of risk from flooding? Circle one.

Text

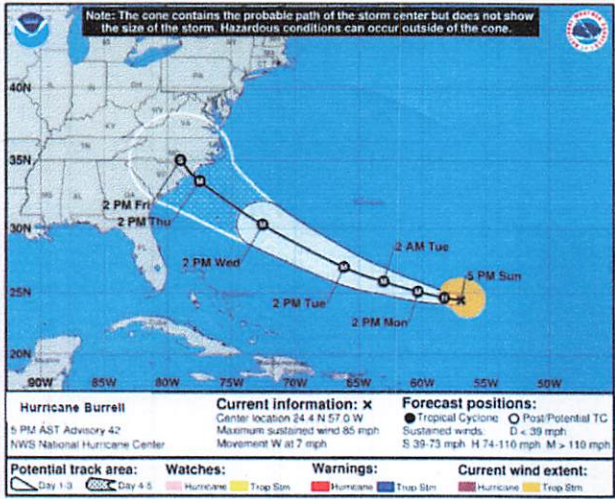
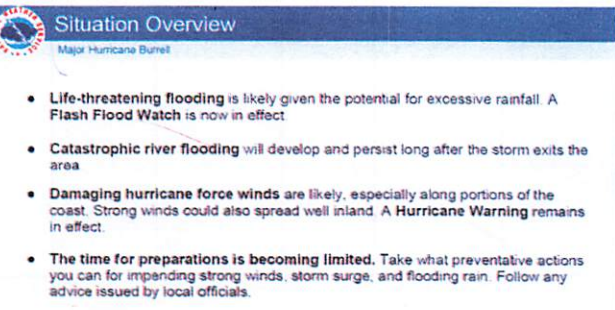
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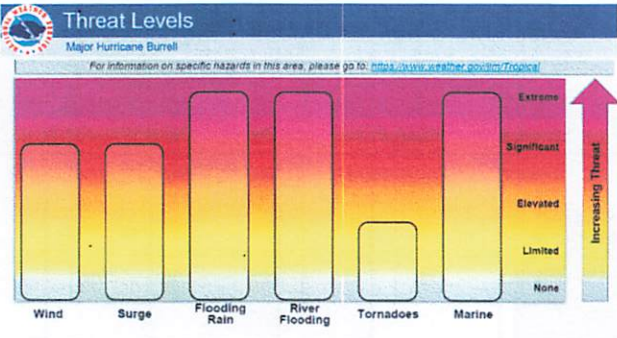
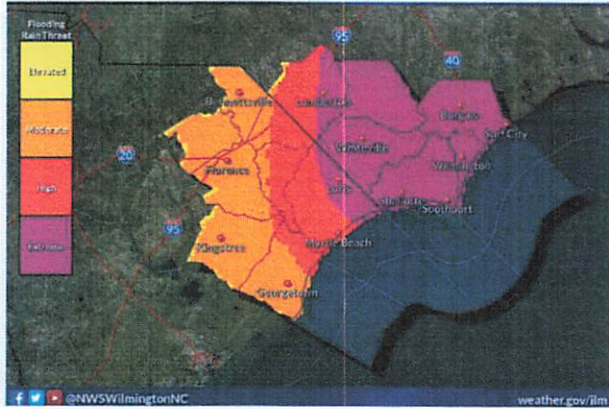
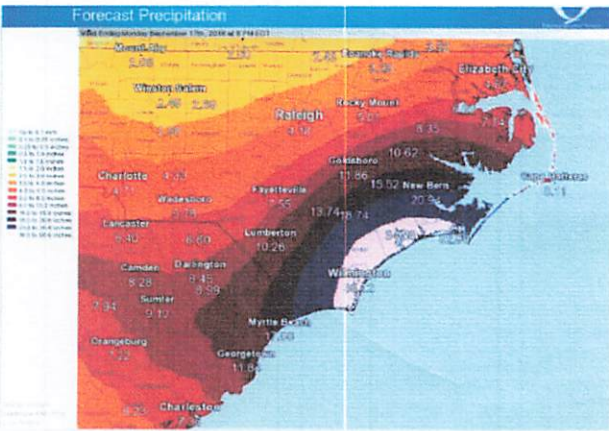
Combined text and graphics

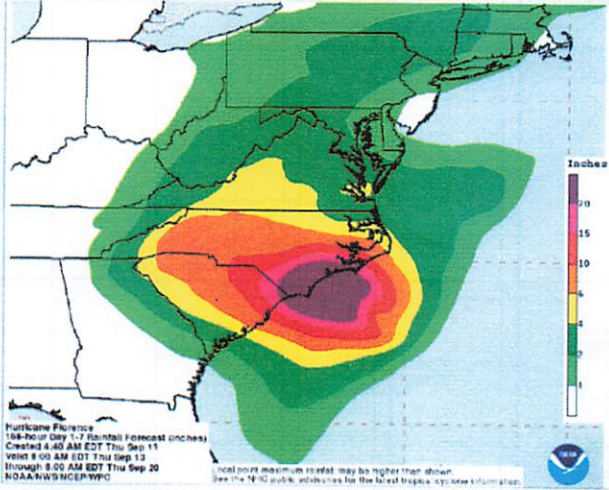


Please explain.


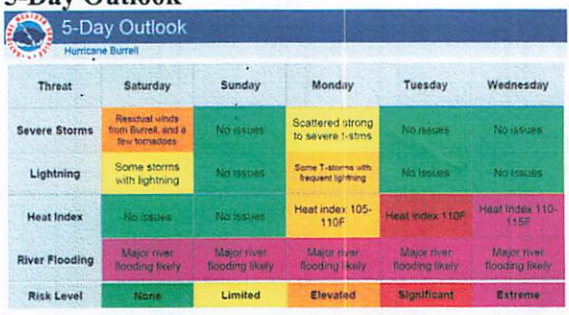
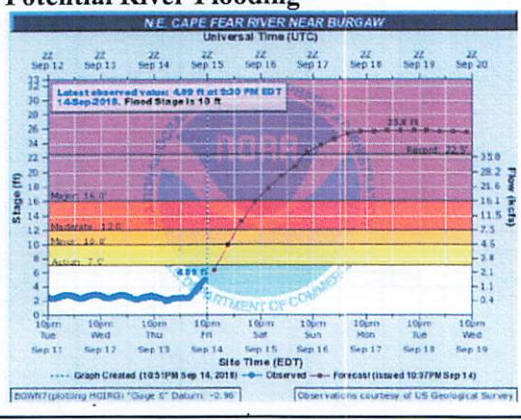

better understanding

6. Please rate the weather products discussed today based on their usefulness to you in assessing your flood situation.

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<p>Hurricane Cone</p>  <p>Hurricane Burrell 5 PM AST Advisory 42 NWS National Hurricane Center</p> <p>Current information: x Center location 24.4 N 57.0 W Maximum sustained wind 85 mph Movement W at 7 mph</p> <p>Forecast positions: Tropical Cyclone ● Potential TC ○ Sustained winds: D < 39 mph S 39-73 mph H 74-110 mph M > 110 mph</p> <p>Potential track area: Day 1-3 Day 4-5 Watches: Hurricane Tropical Storm Warnings: Hurricane Tropical Storm Current wind extent: Hurricane Tropical Storm</p>																													
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<p>Threat Levels</p> 	✓				
<p>Inland Flooding</p> 	✓				
<p>Forecast Precipitation</p> 	✓				

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<p>River Flooding Outlook</p>  <p>Legend: <input type="checkbox"/> Forecast available <input type="checkbox"/> Probability and forecasts available <input type="checkbox"/> Observations only available Moderate Flooding Minor Flooding Near Flood Stage Observations Are Not Current Out of Service Flood Category Not Defined At or Below Low Water Threshold</p>					
<p>Additional Rainfall</p>  <p>Storm (24 hr) Precipitation (in)</p> <p>Legend: 30.00 20.00 15.00 10.00 8.00 6.00 4.00 2.00 0.00</p> <p>Locations and rainfall amounts: 16.30, 18.99, 24.13, 24.01 12.78, 16.66, 19.35, 26.17, 19.19 13.14, 14.87, 16.27, 26.37, 19.12 Florence, 10.08, 10.13, 15.05, 16.01, 22.02 9.99, 10.13, 12.10, 20.27 2.52, 2.17, 9.17</p> <p>@NWSWilmingtonNC weather now/tm</p>					

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<p>Potential River Flooding</p>  <p>N.E. CAPE FEAR RIVER NEAR BURGAW Universal Time (UTC)</p> <p>Stage (ft) vs Time (UTC) graph showing observed and forecast water levels. Latest observed value: 4.89 ft at 8:30 PM EDT 14 Sep 2018. Flood stage is 10 ft.</p>																																									
<p>Social media</p> <p>Dangerous Rip Currents and Rough Surf Expected</p>  <p>OVERVIEW</p> <ul style="list-style-type: none"> Waves from Hurricane Burrell will build today through this week. Expect the potential for rough surf and life-threatening currents Tuesday through Thursday. <p>HAZARDS & IMPACTS</p> <ul style="list-style-type: none"> Deep ocean swimming conditions are expected given the potential of strong rip currents and large breaking waves. <p>ADDITIONAL INFORMATION</p> <ul style="list-style-type: none"> If you plan on visiting the beaches, take pay attention to flags and follow the guidance of lifeguards and other beach staff. If you are someone swimming at this or contact lifeguard or lifeguard tower the surf forecast station to report someone. <p>Distant Hurricanes Can Be Deadly</p>																																									

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<p>Excessive Rainfall Risk</p> <p>WPC Day 1 Excessive Rainfall Outlook (ERO) Valid 15Z Sat XXXX XXXX thru 12Z Sun XXXX XXXX</p> <p>Issued: 1435Z Sat XXX XXXX Forecaster: DRAVEC NOAA/NWS/NCEP/WPC</p>	✓				
<p>Flood Hazard Outlook</p> <p>7-Day Flood Hazard Outlook: Hurricane Burrell</p> <p>Issued: 06:53:20Z Sat 08/24/2024 06:53:20Z HRR Forecast: 06:53:20Z HRR</p> <p>Official Forecast Points: Major Flood Moderate Flood Minor Flood</p>	✓				

7. What changes might you recommend for any of the products shown?

None

8. Which media would you use to find NWS information about the risk of flooding near you? Please circle all that apply:

Facebook

Twitter

Internet

Other: _____

9. Which digital platform are you most likely to use to access NWS resources? Circle one.

Smartphone

Tablet

Laptop

Desktop

Other: _____

10. Was anything in the session confusing? Yes No

If Yes, please explain:

11. What improvements could be made in the format or content of this session?

None

12. Additional comments:

Thank you for participating!

Survey Questions - Post-Focus Group Session Survey

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2. What are the biggest barriers you face in using NWS flood forecast and warning products? Some examples to consider are lack of computer or phone, lack of internet access, language barriers, NWS products too difficult to understand, or other factors.

Try to find the weather

3. Our goal today was to gather feedback to improve NWS flood forecast and warning tools. Beyond the questions asked today, what else would be important to know about how you gather/would use NWS information about extreme weather risks and your intended actions?

See more on TV and Facebook

4. After attending today's session, how likely are you to:

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Share what I learned about NWS products today with others.	✓				
Seek NWS information about extreme weather risks.	✓				
Use NWS products and information in your decision-making	✓				

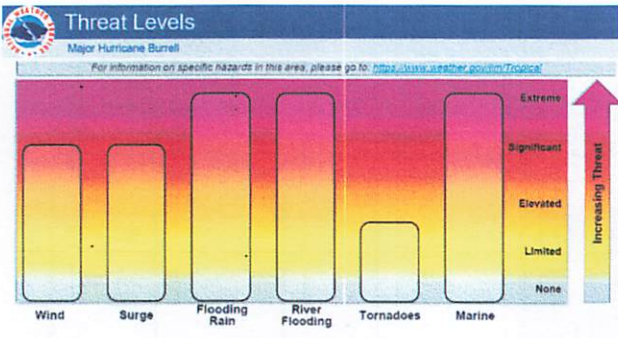
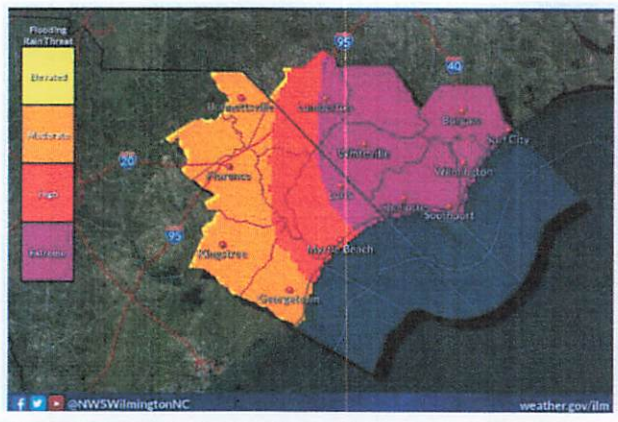
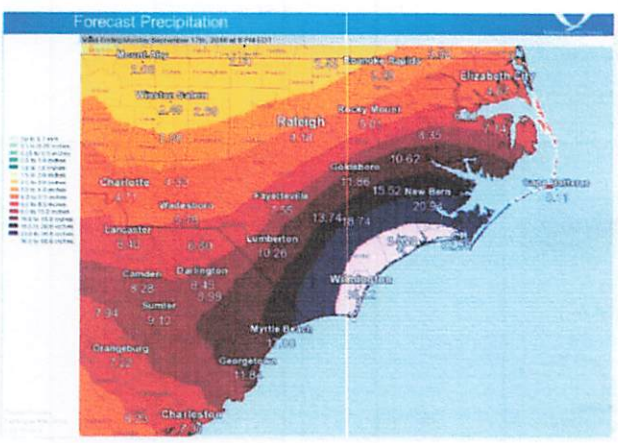
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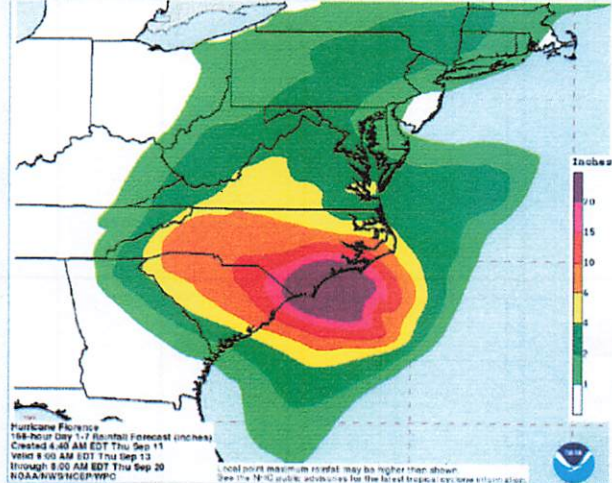

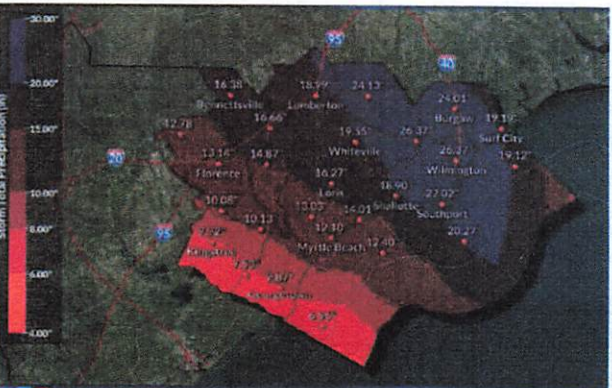
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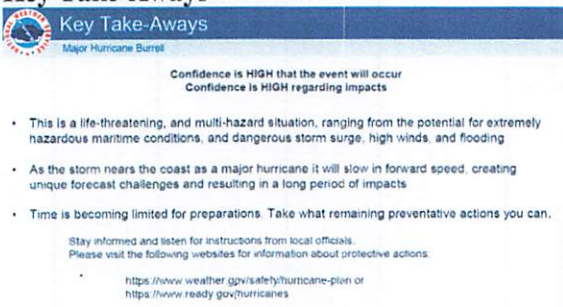
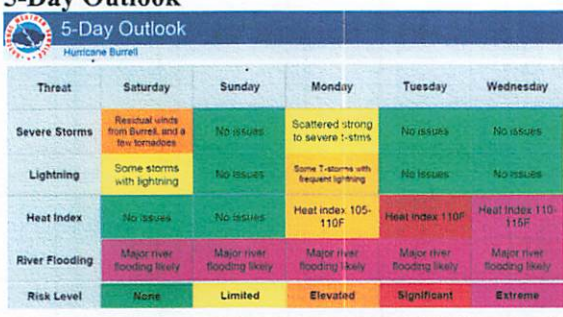
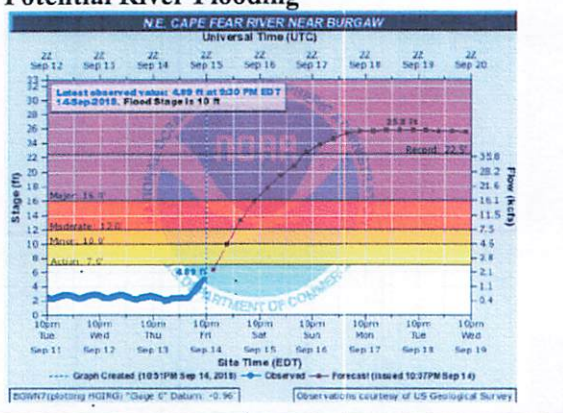

Please explain. It gets to me faster

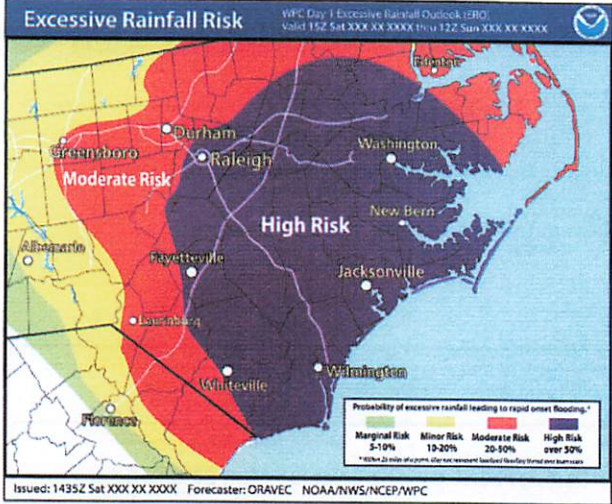
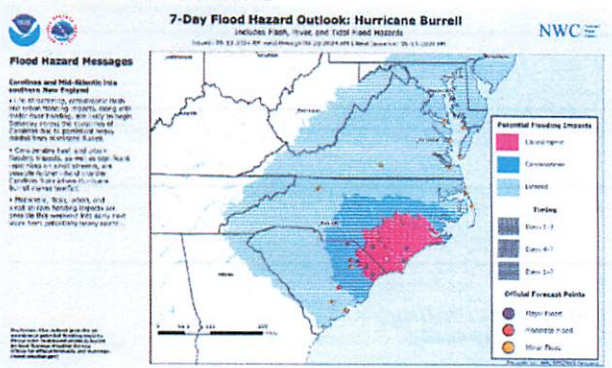
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<p>Threat Levels</p>  <p>Threat Levels Major Hurricane Burell</p> <p>For information on specific hazards in this area, please go to: https://www.weather.gov/nc/wc</p> <p>Extreme Significant Elevated Limited None</p> <p>Increasing Threat</p> <p>Wind Surge Flooding Rain River Flooding Tornadoes Marine</p>					
<p>Inland Flooding</p>  <p>Flooding Rain Threat</p> <p>Elevated High Moderate Low</p> <p>@NWSWilmingtonNC weather.gov/ilm</p>					
<p>Forecast Precipitation</p>  <p>Forecast Precipitation</p> <p>Charlotte 4.33 Raleigh 9.01 Wilmington 10.26 Charlotte 4.33 Wadesboro 9.19 Lancaster 6.30 Camden 8.28 Sumner 9.12 Orangeburg 7.22 Georgetown 11.84 Charlotte 4.33</p>					

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7. What changes might you recommend for any of the products shown?

Nothing Everything was great and I understood everything.

8. Which media would you use to find NWS information about the risk of flooding near you? Please circle all that apply:

Facebook Twitter Internet Other: _____

9. Which digital platform are you most likely to use to access NWS resources? Circle one.

Smartphone Tablet Laptop Desktop Other: _____

10. Was anything in the session confusing? Yes No

If Yes, please explain:

11. What improvements could be made in the format or content of this session?

nothing

12. Additional comments:

Thank you for participating!

Survey Questions - Post-Focus Group Session Survey

A Federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with an information collection subject to the requirements of the Paperwork Reduction Act of 1995 unless the information collection has a currently valid OMB Control Number. The approved OMB Control Number for this information collection is 0690-0030. Without this approval, we could not conduct this post-focus group survey collection. Public reporting for this information collection is estimated to be approximately 10 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the information collection. All responses to this information collection are voluntary. Send comments regarding this burden estimate or any other aspect of this information collection, including suggestions for reducing this burden to the Nurture Nature Center at: 518 Northampton Street, Easton, PA 18042, Attn: Rachel Hogan Carr, Executive Director, rhogan@nurturenature.org.

1. Please rate your agreement with the following statements about the forum.

Please check ONE box for each statement.

	Strongly Agree	Agree	Neither Agree nor Disagree	Disagree	Strongly Disagree
The information was clearly presented.	✓				
I felt comfortable voicing my opinion.	✓				
I know more about the National Weather Service (NWS) resources.	✓				
I feel I could use NWS resources to judge my risk in an extreme weather event.	✓				

2. What are the biggest barriers you face in using NWS flood forecast and warning products? Some examples to consider are lack of computer or phone, lack of internet access, language barriers, NWS products too difficult to understand, or other factors.

There are none as far as I can see at this point.

3. Our goal today was to gather feedback to improve NWS flood forecast and warning tools. Beyond the questions asked today, what else would be important to know about how you gather/would use NWS information about extreme weather risks and your intended actions?

Once the storm path has been established
I would like to see a chart that would
show a projection of time in which the storm
would be in certain locations.

4. After attending today's session, how likely are you to:

Please check ONE box for each statement.

	Very Likely	Somewhat Likely	Neither likely nor unlikely	Somewhat Unlikely	Unlikely
Create or revise plans to deal with extreme weather events using NWS products.	✓				
Share what I learned about NWS products today with others.		✓			
Seek NWS information about extreme weather risks.	✓				
Use NWS products and information in your decision-making	✓				

5. Do you prefer text-based or graphical/visual NWS products in trying to understand your level of risk from flooding? Circle one.

Text

Graphics

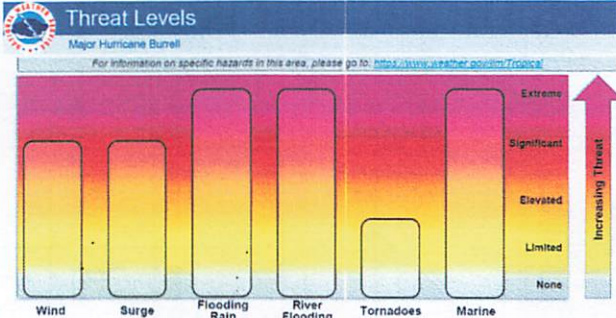
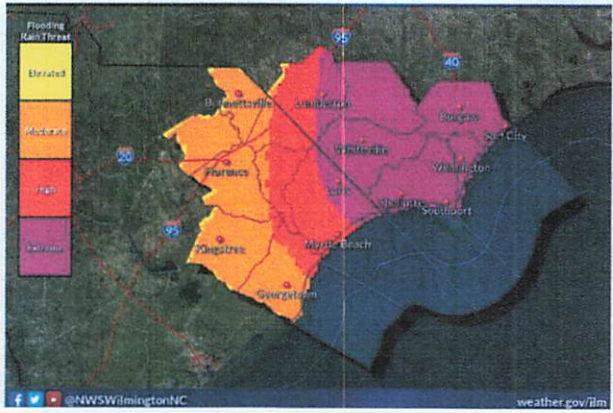
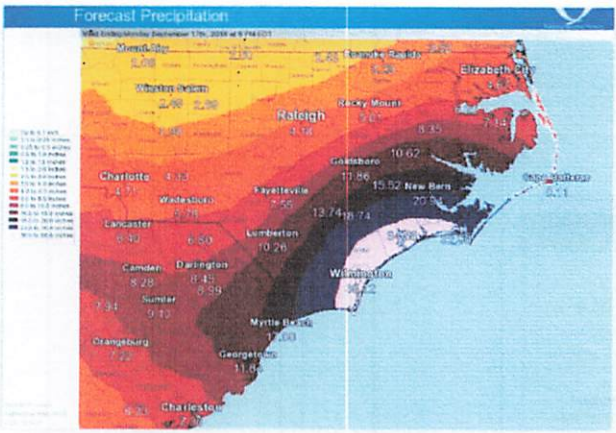
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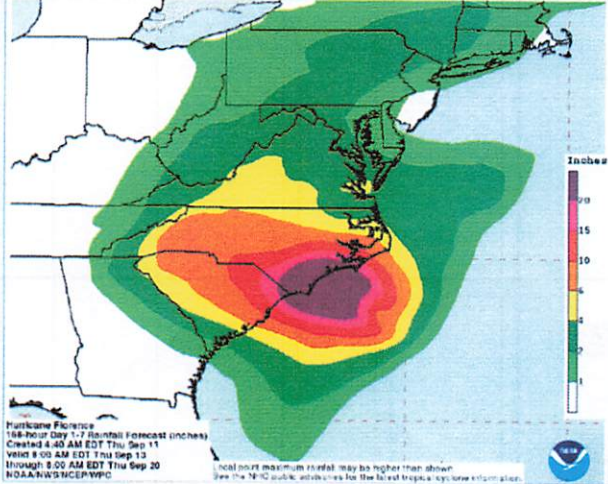

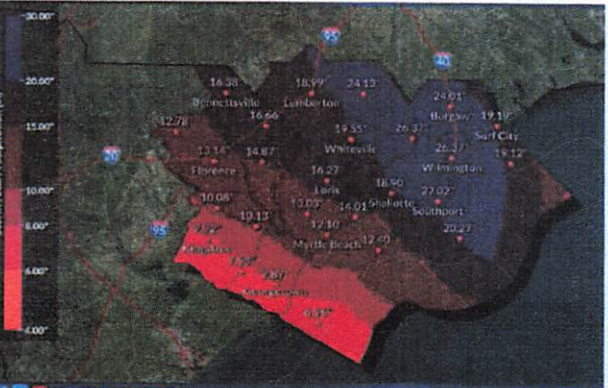
Please explain.

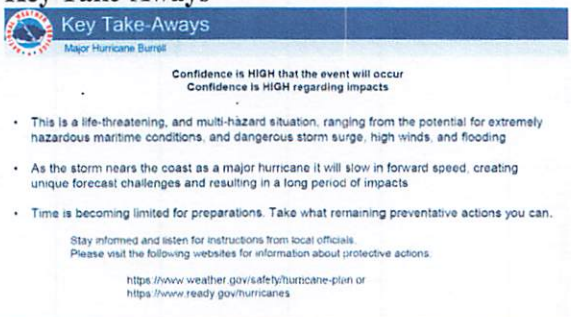
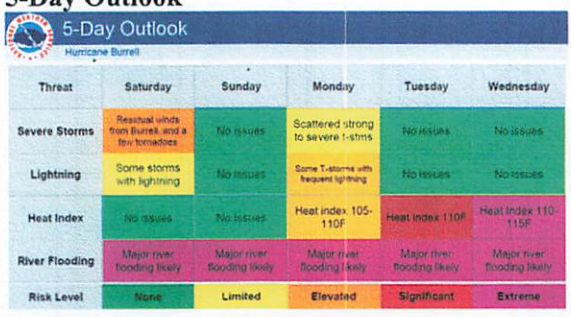
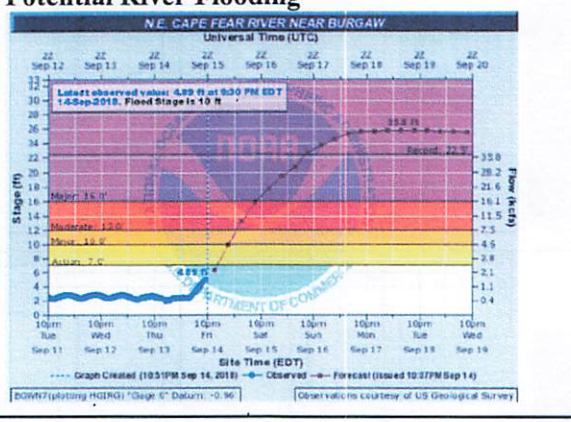

I can understand the ~~geography~~ topography of
the area a lot better.

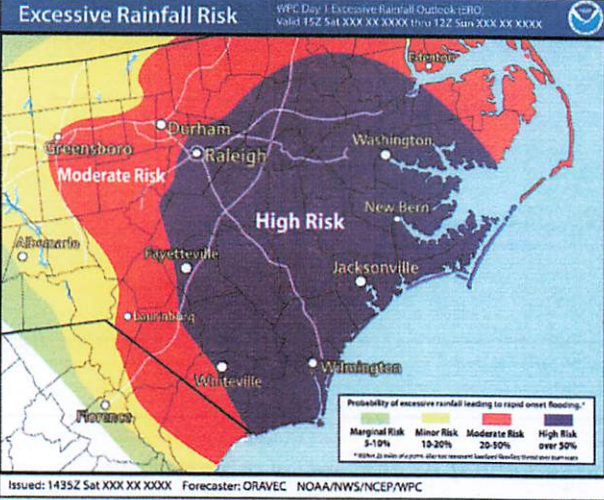
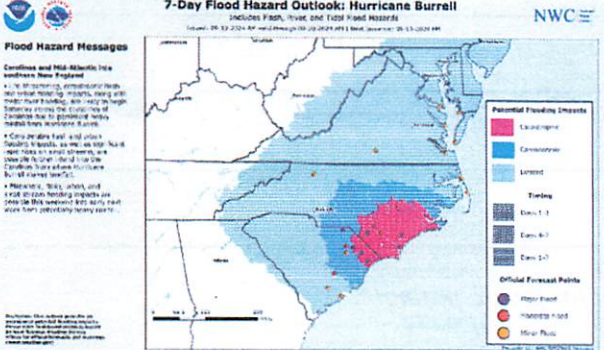
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	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>Threat Levels</p> 					
<p>Inland Flooding</p> 					
<p>Forecast Precipitation</p> 					

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>Expected Storm Total Rainfall</p>  <p> <small>Hurricane Florence 144-hour Day 17 Rainfall Forecast (inches) Created 4:40 AM EDT Thu Sep 11 Valid 8:00 AM EDT Thu Sep 13 through 8:00 AM EDT Thu Sep 20 NOAA/NWS/NCEP/WWPC</small> </p>	✓				
<p>River Flooding Outlook</p> 	✓				
<p>Additional Rainfall</p>  <p> <small>@NWSWilmingtonNC weather.gov/tlm</small> </p>	✓				

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<p>Key Take-Aways</p>  <p>Confidence is HIGH that the event will occur Confidence is HIGH regarding impacts</p> <ul style="list-style-type: none"> This is a life-threatening, and multi-hazard situation, ranging from the potential for extremely hazardous maritime conditions, and dangerous storm surge, high winds, and flooding As the storm nears the coast as a major hurricane it will slow in forward speed, creating unique forecast challenges and resulting in a long period of impacts Time is becoming limited for preparations. Take what remaining preventative actions you can. <p>Stay informed and listen for instructions from local officials Please visit the following websites for information about protective actions</p> <p>https://www.weather.gov/safety/hurricane-plan https://www.ready.gov/hurricanes</p>	✓																																								
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<p>Social media</p> <p>Dangerous Rip Currents and Rough Surf Expected</p>  <p>Overview:</p> <ul style="list-style-type: none"> Winds from Hurricane Burrell will blow today through Monday. Expect the potential for rough surf and life-threatening rip currents Tuesday through Thursday. <p>Hazards & Impacts:</p> <ul style="list-style-type: none"> Deep water swimming conditions are expected given the presence of strong rip currents and large breaking surf. <p>Additional Information:</p> <ul style="list-style-type: none"> If you plan on visiting the beaches, stay up-to-date on the latest information on rip currents and other beach safety. If you see someone swimming in distress, contact a lifeguard or 911. Do not enter the surf without lifeguard approval. <p>Distant Hurricanes Can Be Deadly</p>	✓																																								

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<p>Excessive Rainfall Risk</p>  <p>WPC Day 1 Excessive Rainfall Outlook (ERO) Valid 15Z Sat XXX XX XXXX thru 12Z Sun XXX XX XXXX</p> <p>Issued: 1435Z Sat XXX XX XXXX Forecaster: ORAVEC NOAA/NWS/NCEP/WPC</p>					
<p>Flood Hazard Outlook</p>  <p>7-Day Flood Hazard Outlook: Hurricane Burrell Includes Flood, River, and Tidal Flood Hazards</p> <p>Issued: 06:33:23Z 06 Sep 2024 (06:33:23Z) (06:33:23Z) (06:33:23Z)</p> <p>NWS</p>					

7. What changes might you recommend for any of the products shown?

I think they are good enough

8. Which media would you use to find NWS information about the risk of flooding near you? Please circle all that apply:

Facebook

Twitter

Internet

Other: Smart Phone

9. Which digital platform are you most likely to use to access NWS resources? Circle one.

Smartphone

Tablet

Laptop

Desktop

Other: _____

10. Was anything in the session confusing? Yes No

If Yes, please explain:

11. What improvements could be made in the format or content of this session?

None I could see.

12. Additional comments:

Thank you for participating!

Survey Questions - Post-Focus Group Session Survey

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Please check ONE box for each statement.

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I felt comfortable voicing my opinion.	✓				
I know more about the National Weather Service (NWS) resources.	✓				
I feel I could use NWS resources to judge my risk in an extreme weather event.	✓				

2. What are the biggest barriers you face in using NWS flood forecast and warning products? Some examples to consider are lack of computer or phone, lack of internet access, language barriers, NWS products too difficult to understand, or other factors.

*Some of the products are difficult to understand.
 Did like the changes made to some of the formats.*

3. Our goal today was to gather feedback to improve NWS flood forecast and warning tools. Beyond the questions asked today, what else would be important to know about how you gather/would use NWS information about extreme weather risks and your intended actions?

Need more input from other agencies regarding this.

4. After attending today's session, how likely are you to:

Please check ONE box for each statement.

	Very Likely	Somewhat Likely	Neither likely nor unlikely	Somewhat Unlikely	Unlikely
Create or revise plans to deal with extreme weather events using NWS products.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Share what I learned about NWS products today with others.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Seek NWS information about extreme weather risks.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Use NWS products and information in your decision-making	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

5. Do you prefer text-based or graphical/visual NWS products in trying to understand your level of risk from flooding? Circle one.

Text

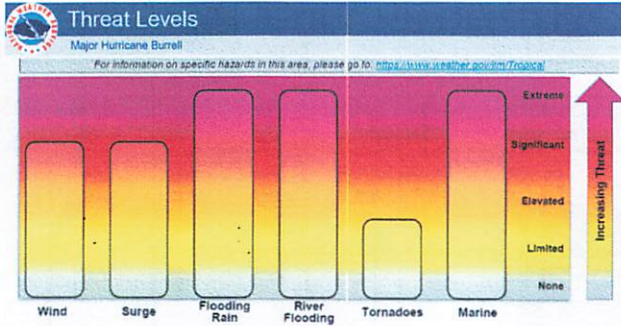
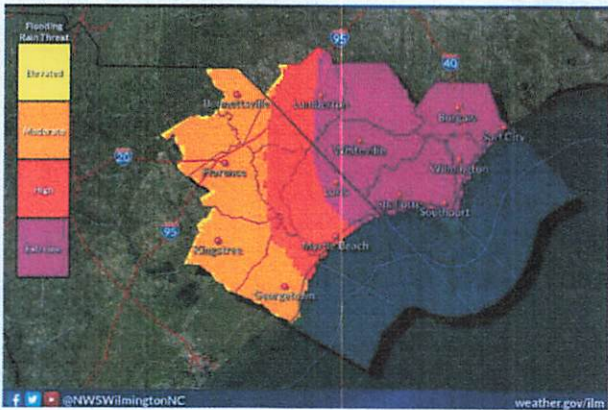
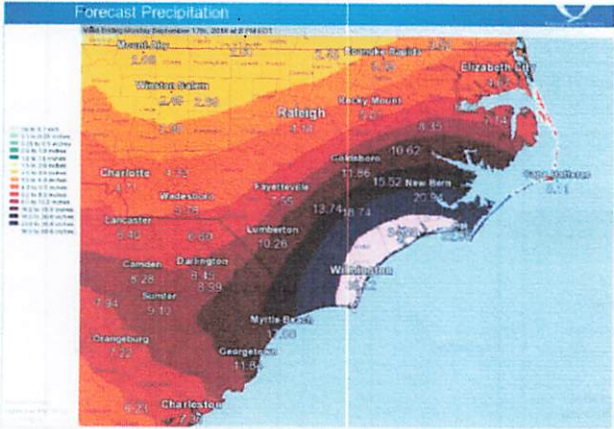
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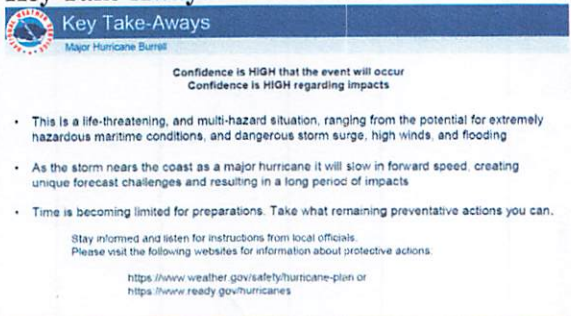
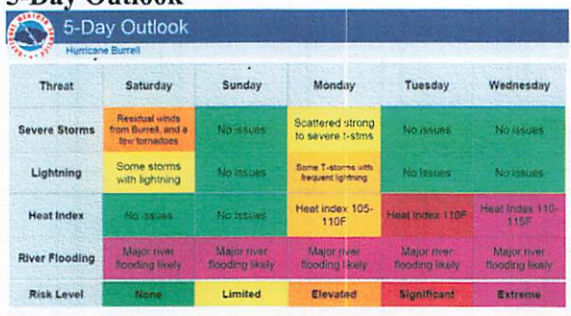
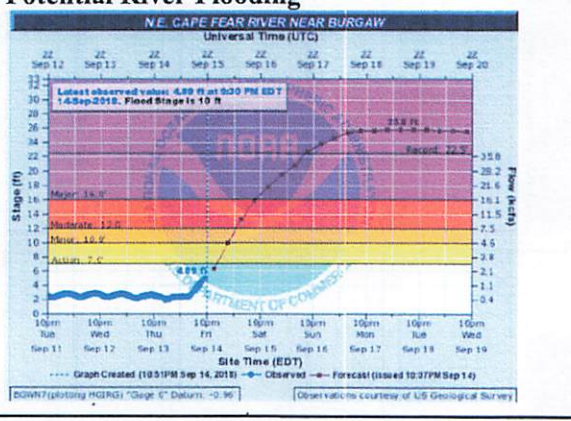

Please explain. I understood it better with both

6. Please rate the weather products discussed today based on their usefulness to you in assessing your flood situation.

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<p>Flood Hazard Outlook</p> <p>7-Day Flood Hazard Outlook: Hurricane Burrell Includes: Flood, Tidal, and Wind Hazards</p> <p>Issued: 06:22:00Z Sat 06/22/2024 06:22:00Z Forecast: 06-13:00Z 06/22</p> <p>Official Forecast Points: Roper Point, Hatteras Point, Kitty Hawk</p>					

7. What changes might you recommend for any of the products shown?

Do not know enough to give any suggestions. I like the changes that were made

8. Which media would you use to find NWS information about the risk of flooding near you? Please circle all that apply:

Facebook

Twitter

Internet

Other: TV, family, friends

9. Which digital platform are you most likely to use to access NWS resources? Circle one.

Smartphone

Tablet

Laptop

Desktop

Other: _____

10. Was anything in the session confusing? Yes No

If Yes, please explain:

only when I didn't understand
the meaning in the beginning

11. What improvements could be made in the format or content of this session?

12. Additional comments:

Thank you for participating!

Survey Questions - Post-Focus Group Session Survey

A Federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with an information collection subject to the requirements of the Paperwork Reduction Act of 1995 unless the information collection has a currently valid OMB Control Number. The approved OMB Control Number for this information collection is 0690-0030. Without this approval, we could not conduct this post-focus group survey collection. Public reporting for this information collection is estimated to be approximately 10 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the information collection. All responses to this information collection are voluntary. Send comments regarding this burden estimate or any other aspect of this information collection, including suggestions for reducing this burden to the Nurture Nature Center at: 518 Northampton Street, Easton, PA 18042, Attn: Rachel Hogan Carr, Executive Director, rhogan@nuturenature.org.

1. Please rate your agreement with the following statements about the forum.

Please check ONE box for each statement.

	Strongly Agree	Agree	Neither Agree nor Disagree	Disagree	Strongly Disagree
The information was clearly presented.	✓				
I felt comfortable voicing my opinion.	✓				
I know more about the National Weather Service (NWS) resources.	✓				
I feel I could use NWS resources to judge my risk in an extreme weather event.	✓				

2. What are the biggest barriers you face in using NWS flood forecast and warning products? Some examples to consider are lack of computer or phone, lack of internet access, language barriers, NWS products too difficult to understand, or other factors.

Lack of internet

3. Our goal today was to gather feedback to improve NWS flood forecast and warning tools. Beyond the questions asked today, what else would be important to know about how you gather/would use NWS information about extreme weather risks and your intended actions?

To have more communities give out info about what to do and where to obtain info about what and where to access NWS information.

4. After attending today's session, how likely are you to:

Please check ONE box for each statement.

	Very Likely	Somewhat Likely	Neither likely nor unlikely	Somewhat Unlikely	Unlikely
Create or revise plans to deal with extreme weather events using NWS products.	✓				
Share what I learned about NWS products today with others.	✓				
Seek NWS information about extreme weather risks.	✓				
Use NWS products and information in your decision-making	✓				

5. Do you prefer text-based or graphical/visual NWS products in trying to understand your level of risk from flooding? Circle one.

Text

Graphics

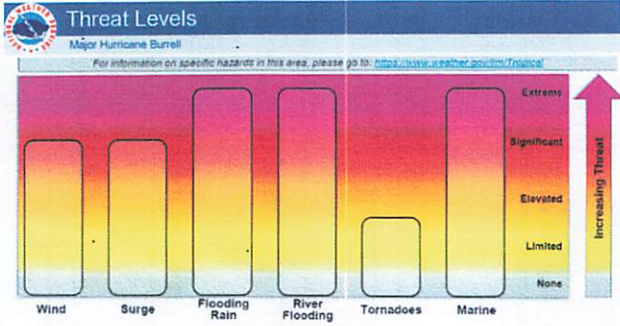
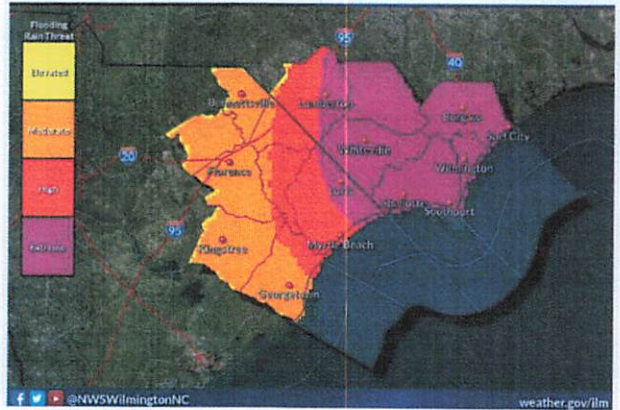
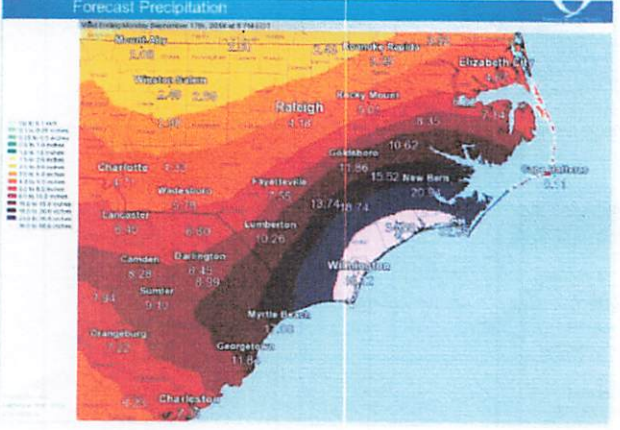
Combined text and graphics

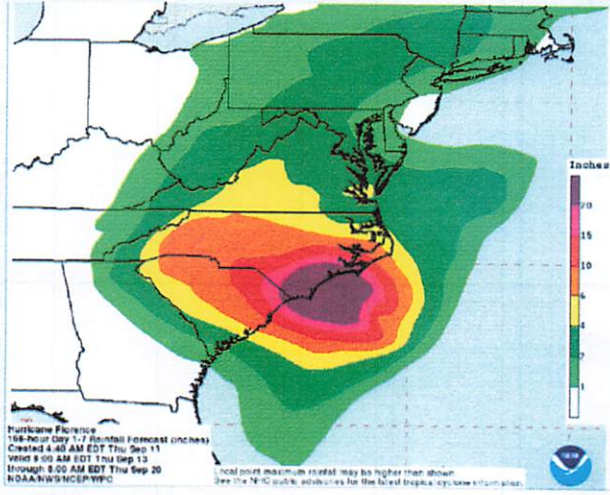
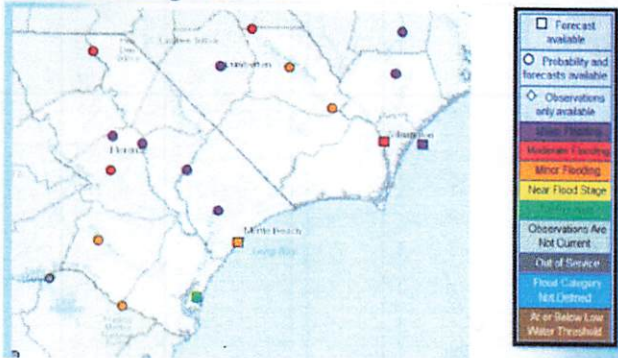

Please explain.

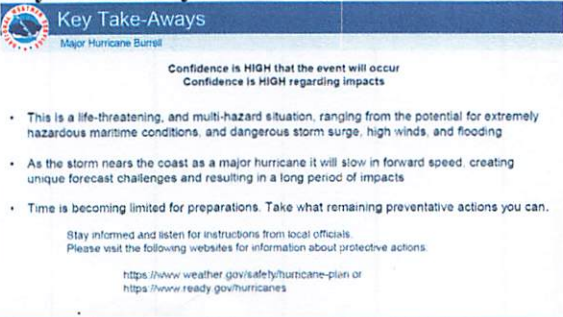
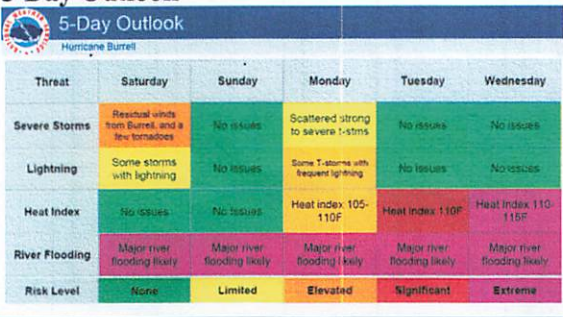
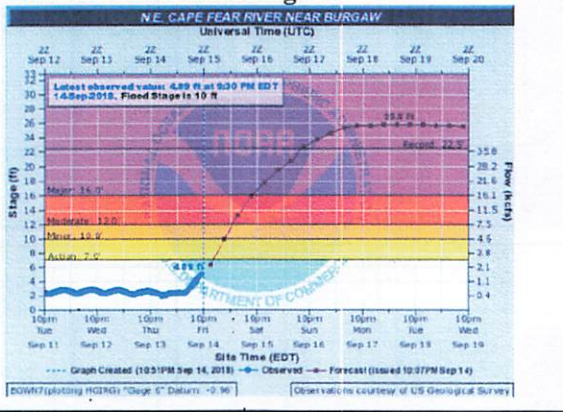
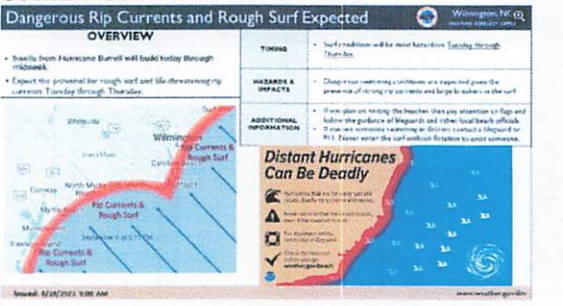
It shows and gives you more detailed and complete information.

6. Please rate the weather products discussed today based on their usefulness to you in assessing your flood situation.

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<p>Flood Hazard Outlook</p> <p>7-Day Flood Hazard Outlook: Hurricane Burrell (Includes Flood, Tornado, and Tornado Flood Messages)</p> <p>Issued: 09:33:23Z Sat XXX XX XXXX (Mdt: XXXXX-20-13:00Z) (R)</p> <p>Flood Hazard Messages</p> <p>Continues and Mid-Atlantic to southeast New England</p> <ul style="list-style-type: none"> • In the northern continental United States, heavy rain (2-4 inches) may fall with high winds (15-25 mph) through the evening of Saturday and into Sunday. This could lead to flooding in low-lying areas and along the coast. • In the Mid-Atlantic and Southeast, heavy rain (2-4 inches) may fall through the evening of Saturday and into Sunday. This could lead to flooding in low-lying areas and along the coast. • In the Southeast, heavy rain (2-4 inches) may fall through the evening of Saturday and into Sunday. This could lead to flooding in low-lying areas and along the coast. <p>Potential Flooding Impacts</p> <ul style="list-style-type: none"> Unaffected Catastrophic Limited Tornado Excess 1-3 Excess 4-7 Excess 8-7 <p>Official Forecast Points</p> <ul style="list-style-type: none"> River Flood Coastal Flood River Flow <p>Source: NWS, NCEP, GFS</p>					

7. What changes might you recommend for any of the products shown?

NO changes

8. Which media would you use to find NWS information about the risk of flooding near you? Please circle all that apply:

Facebook

Twitter

Internet

Other: _____

9. Which digital platform are you most likely to use to access NWS resources? Circle one.

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Tablet

Laptop

Desktop

Other: _____

10. Was anything in the session confusing? Yes No

If Yes, please explain:

11. What improvements could be made in the format or content of this session?

None

12. Additional comments:

Very useful information

Thank you for participating!

Survey Questions - Post-Focus Group Session Survey

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1. Please rate your agreement with the following statements about the forum.

Please check ONE box for each statement.

	Strongly Agree	Agree	Neither Agree nor Disagree	Disagree	Strongly Disagree
The information was clearly presented.	✓				
I felt comfortable voicing my opinion.	✓				
I know more about the National Weather Service (NWS) resources.	✓				
I feel I could use NWS resources to judge my risk in an extreme weather event.	✓				

2. What are the biggest barriers you face in using NWS flood forecast and warning products? Some examples to consider are lack of computer or phone, lack of internet access, language barriers, NWS products too difficult to understand, or other factors.

Sometimes NWS products show areas that are not local or even in our state. Need more local and regional coverage.

3. Our goal today was to gather feedback to improve NWS flood forecast and warning tools. Beyond the questions asked today, what else would be important to know about how you gather/would use NWS information about extreme weather risks and your intended actions?

To me everything was covered and too much information will not make us understand but will probably cause more confusion, so use the tools that has been presented.

4. After attending today's session, how likely are you to:

Please check ONE box for each statement.

	Very Likely	Somewhat Likely	Neither likely nor unlikely	Somewhat Unlikely	Unlikely
Create or revise plans to deal with extreme weather events using NWS products.		✓			
Share what I learned about NWS products today with others.	✓				
Seek NWS information about extreme weather risks.		✓			
Use NWS products and information in your decision-making	✓				

5. Do you prefer text-based or graphical/visual NWS products in trying to understand your level of risk from flooding? Circle one.

Text

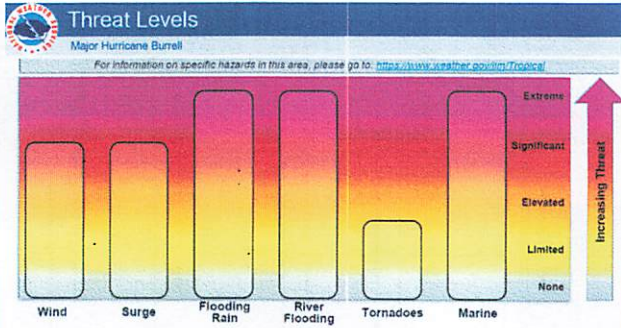
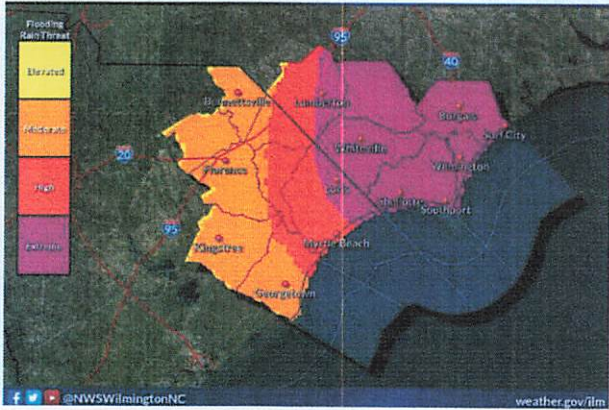
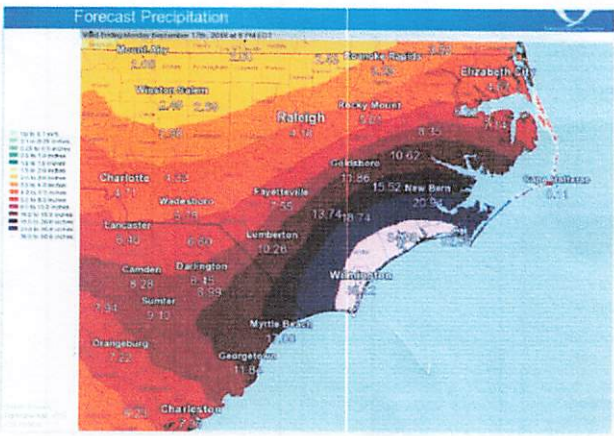
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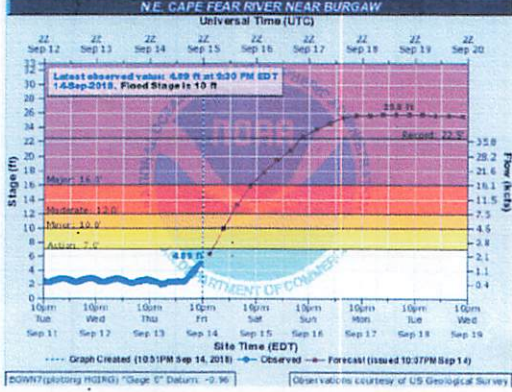
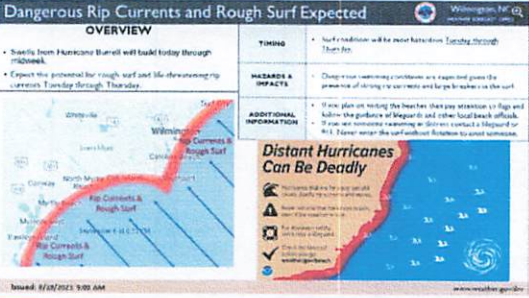
Please explain. Seeing what is going on helps explain texts,

6. Please rate the weather products discussed today based on their usefulness to you in assessing your flood situation.

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<p>Threat Levels</p> 		✓			
<p>Inland Flooding</p> 		✓			
<p>Forecast Precipitation</p> 			✓		

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>Expected Storm Total Rainfall</p> <p>Northwest Florida 168-hour Day 1-7 Rainfall Forecast (inches) Created 4:40 AM EDT Thu Sep 11 Valid 8:00 AM EDT Thu Sep 11 through 8:00 AM EDT Thu Sep 20 NOAA/NWS/NCEP/WWP</p> <p>Total point maximum rainfall may be higher than shown. See the NHC public advisories for the latest tropical system information.</p>			✓		
<p>River Flooding Outlook</p>				✓	
<p>Additional Rainfall</p> <p>weather.gov/dm</p>			✓		

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<p>Potential River Flooding</p>  <p>Graph Created (10:51PM Sep 14, 2018) — Observed — Forecast (issued 10:37PM Sep 14)</p>	✓																																								
<p>Social media</p> <p>Dangerous Rip Currents and Rough Surf Expected</p>  <p>Issued: 9/13/2023 9:00 AM</p>			✓																																						

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<p>Excessive Rainfall Risk</p>		✓			
<p>Flood Hazard Outlook</p>			✓		

7. What changes might you recommend for any of the products shown?

They are good as they are!

8. Which media would you use to find NWS information about the risk of flooding near you? Please circle all that apply:

Facebook

Twitter

Internet

Other: TV

9. Which digital platform are you most likely to use to access NWS resources? Circle one.

Smartphone

Tablet

Laptop

Desktop

Other: _____

10. Was anything in the session confusing? Yes

No

If Yes, please explain:

11. What improvements could be made in the format or content of this session?

Did a wonderful job!

12. Additional comments:

Thank you for participating!

Survey Questions - Post-Focus Group Session Survey

A Federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with an information collection subject to the requirements of the Paperwork Reduction Act of 1995 unless the information collection has a currently valid OMB Control Number. The approved OMB Control Number for this information collection is 0690-0030. Without this approval, we could not conduct this post-focus group survey collection. Public reporting for this information collection is estimated to be approximately 10 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the information collection. All responses to this information collection are voluntary. Send comments regarding this burden estimate or any other aspect of this information collection, including suggestions for reducing this burden to the Nurture Nature Center at: 518 Northampton Street, Easton, PA 18042, Attn: Rachel Hogan Carr, Executive Director, rhogan@nuturenature.org.

1. Please rate your agreement with the following statements about the forum.

Please check ONE box for each statement.

	Strongly Agree	Agree	Neither Agree nor Disagree	Disagree	Strongly Disagree
The information was clearly presented.	✓				
I felt comfortable voicing my opinion.	✓				
I know more about the National Weather Service (NWS) resources.			✓		
I feel I could use NWS resources to judge my risk in an extreme weather event.			✓		

2. What are the biggest barriers you face in using NWS flood forecast and warning products? Some examples to consider are lack of computer or phone, lack of internet access, language barriers, NWS products too difficult to understand, or other factors.

LANGUAGE BARRIERS, MAPS

3. Our goal today was to gather feedback to improve NWS flood forecast and warning tools. Beyond the questions asked today, what else would be important to know about how you gather/would use NWS information about extreme weather risks and your intended actions?

Understanding the language used to determine if I need to relocate

4. After attending today's session, how likely are you to:

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Create or revise plans to deal with extreme weather events using NWS products.	✓				
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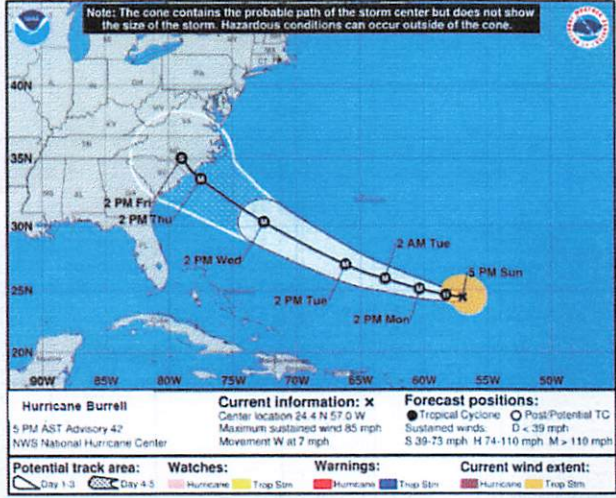

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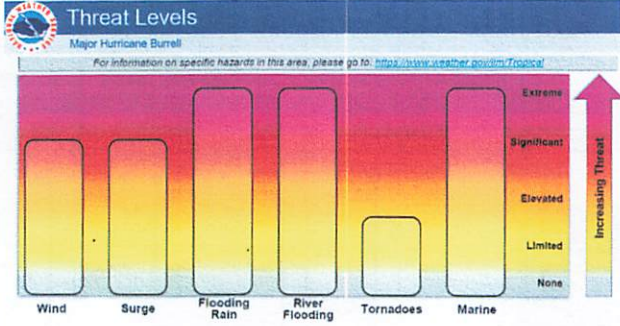
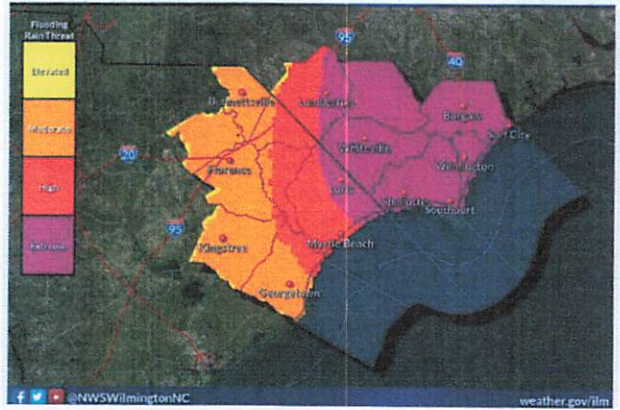
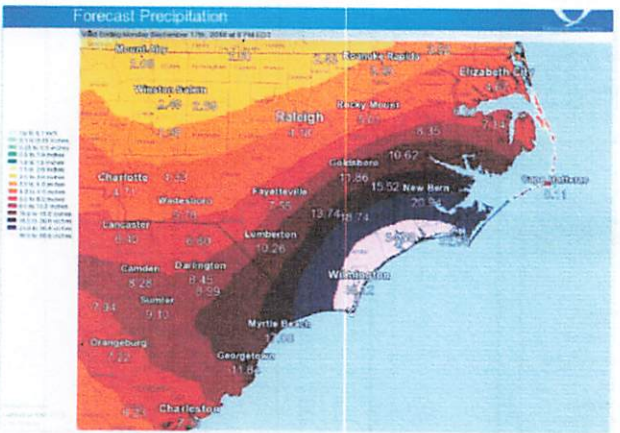
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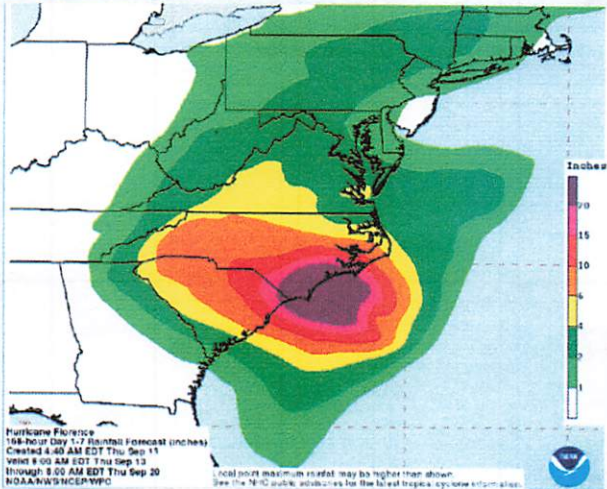


Please explain.



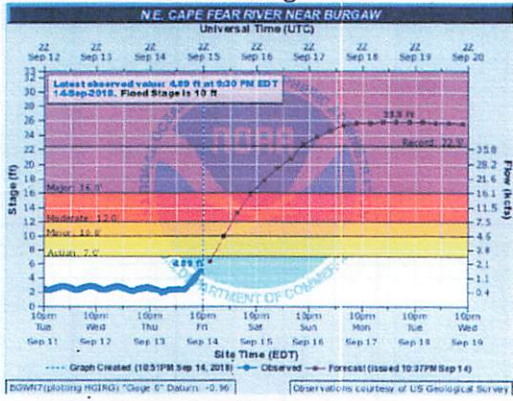
I can relate to what I am reading

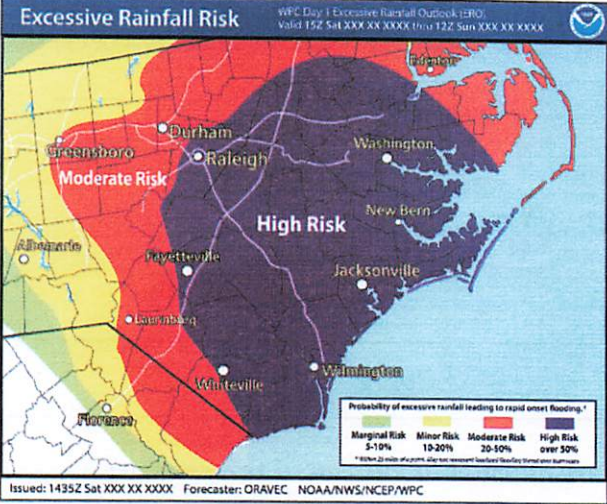
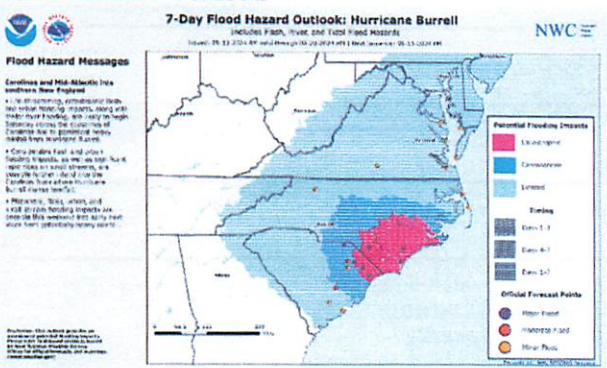
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<p>River Flooding Outlook</p>  <p>Legend: <input type="checkbox"/> Forecast available <input type="checkbox"/> Probable and forecasts available <input type="checkbox"/> Observations only available <input type="checkbox"/> Flood Stages <input type="checkbox"/> Major Flooding <input type="checkbox"/> Minor Flooding <input type="checkbox"/> Near Flood Stage <input type="checkbox"/> Observations Are Not Current <input type="checkbox"/> Out of Service <input type="checkbox"/> Flood Category Not Defined <input type="checkbox"/> At or Below Low Water Threshold</p>		✓			
<p>Additional Rainfall</p>  <p>Storm total precipitation (in)</p> <p>30.00 20.00 15.00 10.00 8.00 6.00 4.00</p> <p>16.38 18.99 24.13 24.01 12.78 16.86 19.55 26.07 19.19 12.14 14.87 16.27 25.27 19.12 10.68 10.07 16.01 18.90 22.02 7.72 10.13 17.10 20.27 17.40 20.7 20.7</p> <p>Wilmington, NC @NWSWilmingtonNC weather.gov/nm</p>				✓	

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Risk Level	None	Limited	Elevated	Significant	Extreme																																				
<p>Potential River Flooding</p>  <p>N.E. CAPE FEAR RIVER NEAR BURGAW Universal Time (UTC)</p> <p>Latest observed value: 4.89 ft at 9:30 PM EDT 14 Sep 2018. Flood Stage is 10 ft</p> <p>Stage (ft) vs. Date (UTC)</p> <p>Stage (ft) vs. Date (EDT)</p> <p>Graph Created: 10:31 PM Sep 14, 2018. Observed: Forecast (Issued 10:27 PM Sep 14)</p> <p>Observations courtesy of US Geological Survey</p>																																									
<p>Social media</p> <p>Dangerous Rip Currents and Rough Surf Expected</p> <p>Wilmington, NC (9)</p> <p>OVERVIEW</p> <ul style="list-style-type: none"> Surf from Hurricane Burrell will build today through tomorrow. Expect the potential for rough surf and life-threatening rip currents Tuesday through Thursday. <p>TIMING</p> <ul style="list-style-type: none"> Surf conditions will be most hazardous Tuesday through Thursday. <p>HAZARDS & IMPACTS</p> <ul style="list-style-type: none"> Dangerous swimming conditions are expected given the potential of strong rip currents and large breaking waves. <p>ADDITIONAL INFORMATION</p> <ul style="list-style-type: none"> Plan on visiting the beaches that are expected to flip and follow the guidance of lifeguards and other local beach officials. If you are someone swimming in shallow surf, contact a lifeguard or 911. Never swim the surf without lifeguards to assist someone. <p>Distant Hurricanes Can Be Deadly</p> <ul style="list-style-type: none"> Accidents that are far from shore can cause injuries or deaths. Be aware of the two conditions: 1. Rip currents can be deadly. 2. Rip currents can be deadly. <p>Issued: 9/14/2018 9:00 AM</p>																																									

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>Excessive Rainfall Risk</p>  <p>WPC Day 1 Excessive Rainfall Outlook (ERD) Valid 15Z Sat XXX XX XXXX (hour 12Z Sun XXX XX XXXX)</p> <p>Issued: 1435Z Sat XXX XX XXXX Forecaster: ORAVEC NOAA/NWS/NCEP/WPC</p>		✓			
<p>Flood Hazard Outlook</p>  <p>7-Day Flood Hazard Outlook: Hurricane Burrell Includes Flood, River, and Local Hazard</p> <p>Issued: 05:11:2024 05:11:2024 05:11:2024 05:11:2024 05:11:2024 05:11:2024 05:11:2024 05:11:2024 05:11:2024 05:11:2024</p> <p>NWS</p>		✓			

7. What changes might you recommend for any of the products shown?

N/A

8. Which media would you use to find NWS information about the risk of flooding near you? Please circle all that apply:

~~Facebook~~

Twitter

Internet

Other: _____

9. Which digital platform are you most likely to use to access NWS resources? Circle one.

Smartphone

Tablet

Laptop

Desktop

Other: _____

10. Was anything in the session confusing? Yes No

If Yes, please explain:

Knowing How to Read MAPS

11. What improvements could be made in the format or content of this session?

12. Additional comments:

N/A

Thank you for participating!